

## Rabbit anti-Human RNF34 Polyclonal Antibody | anti-RNF34 antibody

Anti-RNF34 Antibody Picoband

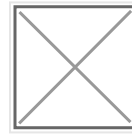
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                                                         |
|-----------|--------|------------|----------------------------------------------------------------------------------------------------------------------|
| AAA19899  | Rabbit | Human      | Western Blot, Immunohistochemistry, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA |

### PRODUCT SYNONYMS

RNF34; Polyclonal Antibody; Anti-RNF34 Antibody Picoband; Chromaffin granule amine transporter; mediator complex subunit 8 ; Mediator of RNA polymerase II transcription subunit 8; Activator-recruited cofactor 32 kDa component; ARC32; Mediator complex subunit 8; MED8; anti-RNF34 antibody

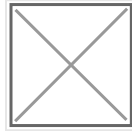
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Reactivity                                      | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity                                     | Ubiquitous.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Form/Format                                     | Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Applicable Applications for anti-RNF34 antibody | WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Application Notes                               | WB: 0.25-0.5ug/ml, Human<br>IHC(Paraffin-embedded Section): 2-5ug/ml, Human<br>ICC/IF: 5ug/ml, Human<br>FC/FACS (Fixed): 1-3ug/1x10 <sup>6</sup> cells, Human<br>ELISA: 0.1-0.5ug/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Immunogen                                       | E coli-derived human RNF34 recombinant protein (Position: E46-S372).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Subcellular Localization                        | Nucleus                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cross Reactivity                                | No cross-reactivity with other proteins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Function                                | Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. May play a role as a target recruitment subunit in E3 ubiquitin-protein ligase complexes and thus in ubiquitination and subsequent proteasomal degradation of target proteins. |
| Preparation and Storage                         | At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |



### FCM (Flow Cytometry)

Figure 9. Flow Cytometry analysis of HEL cells using anti-RNF34 antibody (A07903-1). Overlay histogram showing HEL cells stained with A07903-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-RNF34 Antibody (A07903-1, 1ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

|                                                   |                                                                                                                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-RNF34 antibody | Primary Antibodies; Co-Factors; Epigenetics and Nuclear Signaling; Mediator Complex; Pol II Transcription; Polymerase Associated Factors; Transcription                                                                       |
| References                                        | 1. Sasaki, S., Nakamura, T., Arakawa, H., Mori, M., Watanabe, T., Nagawa, H., Croce, C. M. Isolation and characterization of a novel gene, hRFI, preferentially expressed in esophageal cancer. Oncogene 21: 5024-5030, 2002. |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 378925642                                                                                                                                                                                                                                |
| NCBI GeneID                      | 80196                                                                                                                                                                                                                                    |
| NCBI Accession #                 | NP_001243787.1                                                                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_001256858.1                                                                                                                                                                                                                           |
| UniProt Accession #              | Q969K3; Q8NG47; Q9H6W8; B7Z933                                                                                                                                                                                                           |
| Molecular Weight                 | 41,797 Da                                                                                                                                                                                                                                |
| NCBI Official Full Name          | E3 ubiquitin-protein ligase RNF34 isoform 3                                                                                                                                                                                              |
| NCBI Official Synonym Full Names | ring finger protein 34, E3 ubiquitin protein ligase                                                                                                                                                                                      |
| NCBI Official Symbol             | RNF34                                                                                                                                                                                                                                    |
| NCBI Official Synonym Symbols    | RFI; RIF; RIFF; hRFI; CARP1; CARP-1                                                                                                                                                                                                      |
| NCBI Protein Information         | E3 ubiquitin-protein ligase RNF34; FYVE-RING finger protein MOMO; RING finger protein RIFF; caspase regulator CARP1; caspases-8 and -10-associated RING finger protein 1; human RING finger homologous to inhibitor of apoptosis protein |
| UniProt Protein Name             | E3 ubiquitin-protein ligase RNF34                                                                                                                                                                                                        |
| UniProt Gene Name                | RNF34                                                                                                                                                                                                                                    |
| UniProt Entry Name               | RNF34_HUMAN                                                                                                                                                                                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.