

## Rabbit anti-Human RNH1 Polyclonal Antibody | anti-RNH1 antibody

RNH1 Antibody (C-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                            |
|-----------|--------|------------|-----------------------------------------|
| AAA288881 | Rabbit | Human      | Western Blot, ELISA, Immunofluorescence |

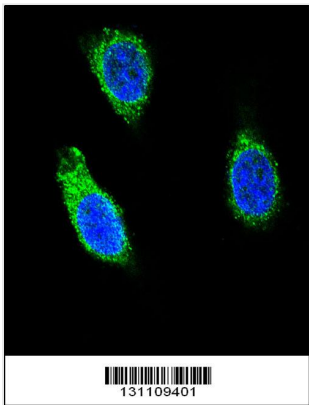
### PRODUCT SYNONYMS

RNH1; Polyclonal Antibody; RNH1 Antibody (C-term); Ribonuclease inhibitor; Placental ribonuclease inhibitor; Placental RNase inhibitor; Ribonuclease/angiogenesis inhibitor 1; RAI; PRI; RNH; anti-RNH1 antibody

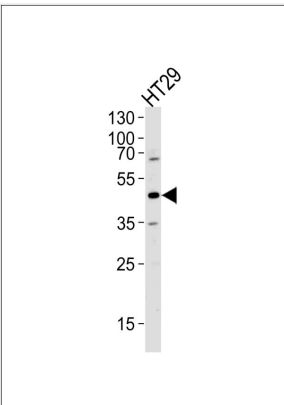
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This RNH1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 425-454 amino acids from the C-terminal region of human RNH1.         |
| Purity/Purification                            | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.35 (varies by lot)                                                                                                                                     |
| Sequence Positions                             | 425-454                                                                                                                                                                      |
| Sequence Length                                | 461                                                                                                                                                                          |
| Applicable Applications for anti-RNH1 antibody | WB (Western Blot), ELISA, IF (Immunofluorescence)                                                                                                                            |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Crown Antibody                                 | Yes                                                                                                                                                                          |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

IMAGES



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of RNH1 Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



**WB (Western Blot)**  
Western blot analysis of lysate from HT29 cell line,using RNH1 Antibody (C-term). AAA288881 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysate at 35ug per lane.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-RNH1 antibody | Placental ribonuclease inhibitor (PRI) is a member of a family of proteinaceous cytoplasmic RNase inhibitors that occur in many tissues and bind to both intracellular and extracellular RNases (summarized by Lee et al., 1988 [PubMed 3219362]). In addition to control of intracellular RNases, the inhibitor may have a role in the regulation of angiogenin (MIM 105850). Ribonuclease inhibitor, of 50,000 Da, binds to ribonucleases and holds them in a latent form. Since neutral and alkaline ribonucleases probably play a critical role in the turnover of RNA in eukaryotic cells, RNH may be essential for control of mRNA turnover; the interaction of eukaryotic cells with ribonuclease may be reversible in vivo. |
| Product Categories/Family for anti-RNH1 antibody   | Crown Antibodies; Cardiovascular                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| References                                         | Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)<br>Martins-de-Souza, D., et al. J Neural Transm 116(3):275-289(2009)<br>Turcotte, R.F., et al. Biochem. Biophys. Res. Commun. 377(2):512-514(2008)<br>Johnson, R.J., et al. Biochemistry 46(45):13131-13140(2007)<br>Johnson, R.J., et al. J. Mol. Biol. 368(2):434-449(2007)                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 21361547                                                                                               |
| NCBI GeneID                      | 6050                                                                                                   |
| NCBI Accession #                 | NP_002930.2; NP_976317.1; NP_976318.1; NP_976319.1; NP_976320.1; NP_976321.1; NP_976322.1; NP_976323.1 |
| NCBI GenBank Nucleotide #        | NM_002939.3                                                                                            |
| UniProt Accession #              | P13489; Q8IZK8; Q96FD7; Q9BQ80; Q9UDK6                                                                 |
| Molecular Weight                 | 49973                                                                                                  |
| NCBI Official Full Name          | ribonuclease inhibitor                                                                                 |
| NCBI Official Synonym Full Names | ribonuclease/angiogenin inhibitor 1                                                                    |
| NCBI Official Symbol             | RNH1                                                                                                   |

|                               |                                          |
|-------------------------------|------------------------------------------|
| NCBI Official Synonym Symbols | RAI; RNH                                 |
| NCBI Protein Information      | ribonuclease inhibitor                   |
| UniProt Protein Name          | Ribonuclease inhibitor                   |
| UniProt Gene Name             | <b>RNH1</b>                              |
| UniProt Synonym Gene Names    | PRI; RNH; Placental RNase inhibitor; RAI |
| UniProt Entry Name            | RINI_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/rnh1-antibody-western-blot-immunofluorescence-elisa/288881>