

## Rabbit ATRIP Polyclonal Antibody | anti-ATRIP antibody

Anti-ATRIP Antibody Picoband

| CATALOG # | HOST   | REACTIVITY                | APPLICATIONS                                                                                   |
|-----------|--------|---------------------------|------------------------------------------------------------------------------------------------|
| AAA126337 | Rabbit | Human, Mouse, Rat, Monkey | ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot |

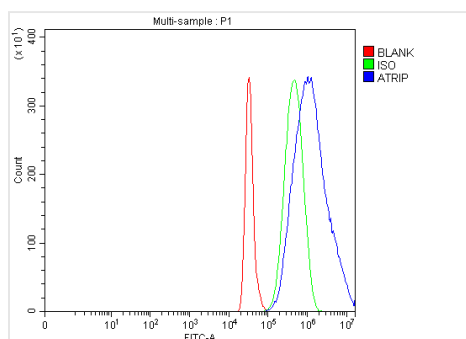
### PRODUCT SYNONYMS

ATRIP; Polyclonal Antibody; Anti-ATRIP Antibody Picoband; anti-ATRIP antibody

### PRODUCT SPECIFICATIONS

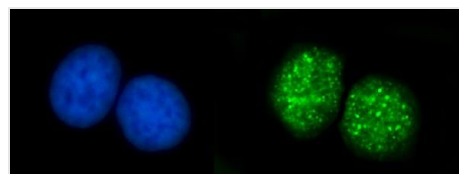
|                                                 |                                                                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                       |
| Reactivity                                      | Human, Mouse, Rat, Monkey                                                                                                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                   |
| Isotype                                         | Rabbit IgG                                                                                                                                                                                                                   |
| Purity/Purification                             | Immunogen affinity purified.                                                                                                                                                                                                 |
| Form/Format                                     | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                     |
| Concentration                                   | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                    |
| Applicable Applications for anti-ATRIP antibody | ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                      |
| Reconstitution                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                    |
| Immunogen                                       | E Coli-derived human ATRIP recombinant protein (Position: K109-D782).                                                                                                                                                        |
| Preparation and Storage                         | Store 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. |

### IMAGES



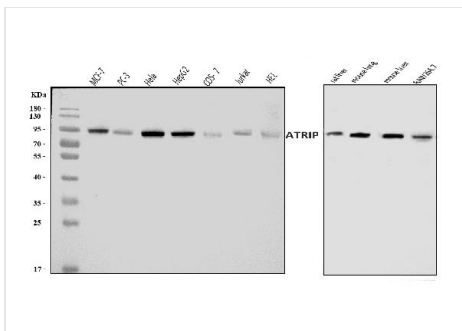
#### FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HepG2 cells using anti-ATRIP antibody (AAA126337). Overlay histogram showing HepG2 cells stained with AAA126337 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ATRIP Antibody (AAA126337, 1 ug/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 (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



#### IF (Immunofluorescence)

Figure 2. IF analysis of ATRIP using anti-ATRIP antibody (AAA126337). ATRIP was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-ATRIP Antibody (AAA126337) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



#### WB (Western Blot)

Figure 1. Western blot analysis of ATRIP using anti-ATRIP antibody (AAA126337). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: human Hela whole cell lysates, Lane 4: human HepG2 whole cell lysates, Lane 5: monkey COS-7 whole cell lysates, Lane 6: human Jurkat whole cell lysates, Lane 7: human HEL whole cell lysates, Lane 8: rat liver tissue lysates, Lane 9: mouse lung tissue lysates, Lane 10: mouse liver tissue lysates, Lane 11: mouse RAW264.7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-ATRIP antigen affinity purified polyclonal antibody (#AAA126337) at 0.25 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for ATRIP at approximately 86-90 kDa. The expected band size for ATRIP is at 86 kDa.

#### ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-ATRIP antibody</b> | This gene encodes an essential component of the DNA damage checkpoint. The encoded protein binds to single-stranded DNA coated with replication protein A. The protein also interacts with the ataxia telangiectasia and Rad3 related protein kinase, resulting in its accumulation at intranuclear foci induced by DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Product Categories/Family for anti-ATRIP antibody</b>   | <a href="#">Primary Antibodies</a> , <a href="#">Rabbit Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                       |

#### NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">402534571</a>                                                                                                                                                                                                      |
| <b>NCBI GeneID</b>                      | <a href="#">84126</a>                                                                                                                                                                                                          |
| <b>NCBI Accession #</b>                 | <a href="#">NP_001257951.1</a>                                                                                                                                                                                                 |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_001271022.1</a>                                                                                                                                                                                                 |
| <b>UniProt Accession #</b>              | <a href="#">Q8WXE1</a> ; <a href="#">Q69YK9</a> ; <a href="#">Q8NHQ2</a> ; <a href="#">Q8WUG7</a> ; <a href="#">Q96CL3</a> ; <a href="#">Q9HA30</a> ; <a href="#">A8K6A3</a> ; <a href="#">A8K714</a> ; <a href="#">B2RCE7</a> |
| <b>Molecular Weight</b>                 | 85,838 Da                                                                                                                                                                                                                      |
| <b>NCBI Official Full Name</b>          | ATR-interacting protein isoform 3                                                                                                                                                                                              |
| <b>NCBI Official Synonym Full Names</b> | ATR interacting protein                                                                                                                                                                                                        |
| <b>NCBI Official Symbol</b>             | ATRIP                                                                                                                                                                                                                          |
| <b>NCBI Protein Information</b>         | ATR-interacting protein; ATM and Rad3-related-interacting protein                                                                                                                                                              |
| <b>UniProt Protein Name</b>             | ATR-interacting protein                                                                                                                                                                                                        |
| <b>UniProt Gene Name</b>                | <b>ATRIP</b>                                                                                                                                                                                                                   |
| <b>UniProt Synonym Gene Names</b>       | AGS1                                                                                                                                                                                                                           |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atrip-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126337>