

# Rabbit TRIM29 Polyclonal Antibody | anti-TRIM29 antibody

TRIM29 Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                                                                       |
|-----------|--------|-------------------|------------------------------------------------------------------------------------|
| AAA327387 | Rabbit | Human, Mouse, Rat | ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

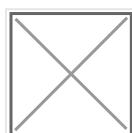
## PRODUCT SYNONYMS

TRIM29; Polyclonal Antibody; TRIM29 Antibody; Ataxia telangiectasia group D associated protein; Ataxia telangiectasia group D-associated protein; ATDC; FLJ36085; TRI29\_HUMAN; TRIM 29; Tripartite motif containing 29; Tripartite motif containing protein 29; Tripartite motif protein 29; Tripartite motif protein TRIM29; Tripartite motif-containing protein 29; anti-TRIM29 antibody

## PRODUCT SPECIFICATIONS

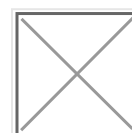
|                                                  |                                                                                                          |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                   |
| Reactivity                                       | Human, Mouse, Rat                                                                                        |
| Clonality                                        | Polyclonal                                                                                               |
| Isotype                                          | IgG                                                                                                      |
| Specificity                                      | TRIM29 antibody detects endogenous levels of total TRIM29                                                |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.            |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                   |
| Sequence Length                                  | 588                                                                                                      |
| Applicable Applications for anti-TRIM29 antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                        | A synthesized peptide derived from human TRIM29                                                          |
| Subcellular Location                             | Cytoplasm. Colocalizes with intermediate filaments.                                                      |
| Tissue Specificity                               | Expressed in placenta, prostate and thymus.                                                              |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog</b>                                                            |
| Similarity                                       | Pig (100%), Bovine (100%), Horse (90%), Sheep (100%), Rabbit (100%), Dog (100%)                          |
| Conjugation                                      | Unconjugated                                                                                             |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                        |

## IMAGES



### WB (Western Blot)

Western blot analysis of TRIM29 using Jurkat whole cell lysates



### IHC (Immunohistochemistry)

AAA327387 at 1/100 staining Human prostate tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### IF (Immunofluorescence)

AAA327387 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

### ADDITIONAL INFORMATION

|                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-TRIM29 antibody</b> | <p>Function: Plays a crucial role in the regulation of macrophage activation in response to viral or bacterial infections within the respiratory tract. Mechanistically, TRIM29 interacts with IKBKG/NEMO in the lysosome where it induces its 'Lys-48' ubiquitination and subsequent degradation. In turn, the expression of type I interferons and the production of proinflammatory cytokines are inhibited. Additionally, induces the 'Lys-48' ubiquitination of TMEM173/STING in a similar way, leading to its degradation.</p> <p>Subunit Structure: Interacts with VIM and HINT1 (PubMed:7644499). Interacts with IKBKG/NEMO (PubMed:27695001). Interacts with TMEM173/STING (PubMed:29038422).</p> <p>Post-translational Modifications: Constitutively phosphorylated by PKC on serine/threonine in A431 cells.</p> |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 17402909                                         |
| NCBI GeneID                      | 23650                                            |
| NCBI Accession #                 | NP_036233.2                                      |
| NCBI GenBank Nucleotide #        | NM_012101.3                                      |
| UniProt Accession #              | Q14134; Q96AA9; Q9BZY7                           |
| Molecular Weight                 | Observed: 66 kDa<br>Predicted: 66 kDa            |
| NCBI Official Full Name          | tripartite motif-containing protein 29 isoform 1 |
| NCBI Official Synonym Full Names | tripartite motif containing 29                   |
| NCBI Official Symbol             | TRIM29                                           |
| NCBI Official Synonym Symbols    | ATDC                                             |
| NCBI Protein Information         | tripartite motif-containing protein 29           |
| UniProt Protein Name             | Tripartite motif-containing protein 29           |
| UniProt Gene Name                | <b>TRIM29</b>                                    |
| UniProt Synonym Gene Names       | ATDC                                             |

**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/trim29-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/327387>