

Rabbit TRIM2 Polyclonal Antibody | anti-TRIM2 antibody

Anti-TRIM2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127553	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

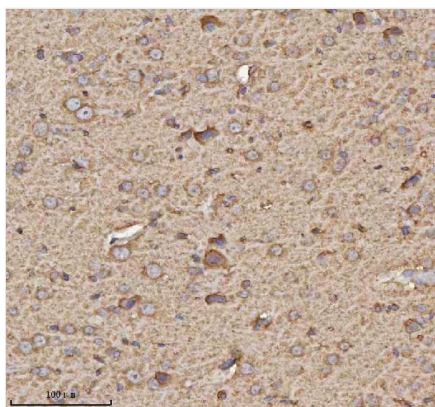
PRODUCT SYNONYMS

TRIM2; Polyclonal Antibody; Anti-TRIM2 Antibody Picoband; anti-TRIM2 antibody

PRODUCT SPECIFICATIONS

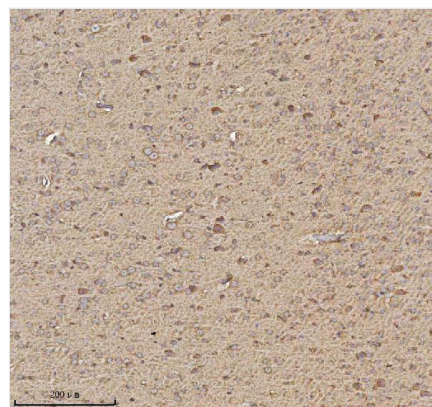
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-TRIM2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E coli-derived human TRIM2 recombinant protein (Position: Q78-E398). Human TRIM2 shares 99.4% and 98.8% amino acid (aa) sequence identity with mouse and rat TRIM2, respectively.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
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.

IMAGES



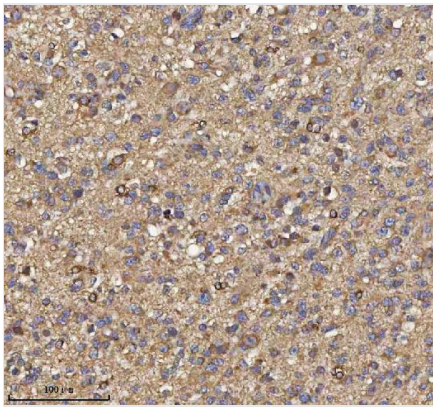
IHC (Immunohistochemistry)

Figure 5. IHC analysis of TRIM2 using anti-TRIM2 antibody (AAA127553).TRIM2 was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TRIM2 Antibody (AAA127553) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 4. IHC analysis of TRIM2 using anti-TRIM2 antibody (AAA127553).TRIM2 was detected in a paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TRIM2 Antibody (AAA127553) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

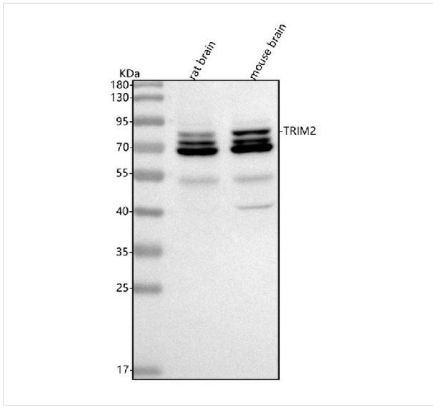


IHC (Immunohistochemistry)

Figure 3. IHC analysis of TRIM2 using anti-TRIM2 antibody (AAA127553).TRIM2 was detected in a paraffin-embedded section of human glioblastoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TRIM2 Antibody (AAA127553) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

IHC (Immunohistochemistry)

Figure 2. IHC analysis of TRIM2 using anti-TRIM2 antibody (AAA127553).TRIM2 was detected in a paraffin-embedded section of human glioblastoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2ug/ml rabbit anti-TRIM2 Antibody (AAA127553) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of TRIM2 using anti-TRIM2 antibody (AAA127553).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: rat brain tissue lysates,Lane 2: mouse brain tissue 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-TRIM2 antigen affinity purified polyclonal antibody (#AAA127553) at 0.5ug/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 TRIM2 at approximately 82 kDa. The expected band size for TRIM2 is at 82 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM2 antibody	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-TRIM2 antibody	Primary Antibodies

References	1. Balastik, M., Ferraguti, F., Pires-da Silva, A., Lee, T. H., Alvarez-Bolado, G., Lu, K. P., Gruss, P. Deficiency in ubiquitin ligase TRIM2 causes accumulation of neurofilament light chain and neurodegeneration. Proc. Nat. Acad. Sci. 105: 12016-12021, 2008. 2. Nagase, T., Ishikawa, K., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. IX. The complete sequences of 100 new cDNA clones from brain which can code for large proteins in vitro. DNA Res. 5: 31-39, 1998.3. Pehlivan, D., Coban Akdemir, Z., Karaca, E., Bayram, Y., Jhangiani, S., Yildiz, E. P., Muzny, D., Uluc, K., Gibbs, R. A., Baylor-Hopkins Center for Mendelian Genomics, Elcioglu, N., Lupski, J. R., Harel, T. Exome sequencing reveals homozygous TRIM2 mutation in a patient with early onset CMT and bilateral vocal cord paralysis. Hum. Genet. 134: 671-673, 2015.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194248079
NCBI GeneID	23321
NCBI Accession #	NP_056086.2
NCBI GenBank Nucleotide #	NM_015271.4
UniProt Accession #	Q9C040; O60272; Q9BSI9; Q9UFZ1; D3DP09
Molecular Weight	84,545 Da
NCBI Official Full Name	tripartite motif-containing protein 2 isoform 1
NCBI Official Synonym Full Names	tripartite motif containing 2
NCBI Official Symbol	TRIM2
NCBI Official Synonym Symbols	CMT2R; RNF86
NCBI Protein Information	tripartite motif-containing protein 2; RING finger protein 86; tripartite motif protein TRIM2; E3 ubiquitin-protein ligase TRIM2
UniProt Protein Name	Tripartite motif-containing protein 2
UniProt Gene Name	TRIM2
UniProt Synonym Gene Names	KIAA0517; RNF86
UniProt Entry Name	TRIM2_HUMAN

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