

Rabbit TRIM3 Polyclonal Antibody | anti-TRIM3 antibody

Anti-TRIM3 Antibody Picoband

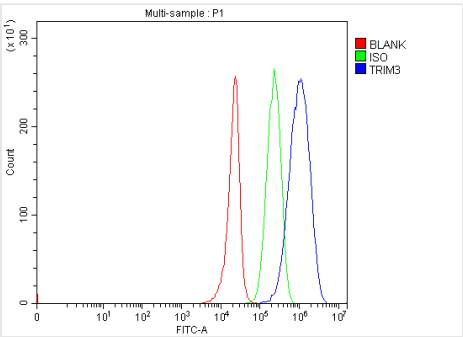
CATALOG # AAA126482	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

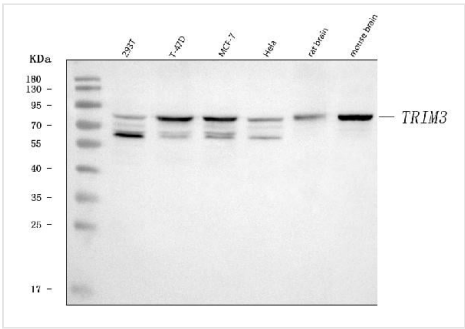
TRIM3; Polyclonal Antibody; Anti-TRIM3 Antibody Picoband; anti-TRIM3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
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 .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TRIM3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TRIM3 recombinant protein (Position: Q77-R433).
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of 293T cells using anti-TRIM3 antibody (AAA126482). Overlay histogram showing 293T cells stained with AAA126482 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRIM3 Antibody (AAA126482, 1 ug/1x10⁶ 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/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of TRIM3 using anti-TRIM3 antibody (AAA126482). 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 293T whole cell lysates, Lane 2: human T-47D whole cell lysates, Lane 3: human MCF-7 whole cell lysates, Lane 4: human Hela whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: 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-TRIM3 antigen affinity purified polyclonal antibody (#AAA126482) at 0.5 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 TRIM3 at approximately 81 kDa. The expected band size for TRIM3 is at 81 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRIM3 antibody	Tripartite motif-containing protein 3 is a protein that in humans is encoded by the TRIM3 gene. The protein encoded by this gene is a member of the tripartite motif (TRIM) family, also called the 'RING-B-box-coiled-coil' (RBCC) subgroup of RING finger proteins. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. This protein localizes to cytoplasmic filaments. It is similar to a rat protein which is a specific partner for the tail domain of myosin V, a class of myosins which are involved in the targeted transport of organelles. The rat protein can also interact with alpha-actinin-4. Thus it is suggested that this human protein may play a role in myosin V-mediated cargo transport. Alternatively spliced transcript variants encoding the same isoform have been identified.
Product Categories/Family for anti-TRIM3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	351721563
NCBI GeneID	10612
NCBI Accession #	NP_001234935.1
NCBI GenBank Nucleotide #	NM_001248006.1
UniProt Accession #	O75382; Q4V9L4; Q9C038; Q9C039; B7Z5E6; F5H2Q8
Molecular Weight	80,830 Da
NCBI Official Full Name	tripartite motif-containing protein 3 isoform 1
NCBI Official Synonym Full Names	tripartite motif containing 3
NCBI Official Symbol	TRIM3
NCBI Official Synonym Symbols	BERP; HAC1; RNF22; RNF97
NCBI Protein Information	tripartite motif-containing protein 3; RING finger protein 97; ring finger protein 22; brain expressed ring finger; tripartite motif-containing 3; tripartite motif protein TRIM3; brain-expressed RING finger protein

UniProt Protein Name	Tripartite motif-containing protein 3
UniProt Gene Name	TRIM3
UniProt Synonym Gene Names	BERP; RNF22; RNF97
UniProt Entry Name	TRIM3_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/trim3-antibody-flow-cytometry-western-blot-elisa/126482>