

Rabbit TRAM1 Polyclonal Antibody | anti-TRAM1 antibody

Anti-TRAM1 Antibody Picoband

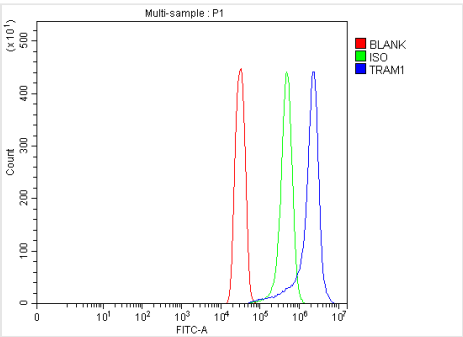
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126351	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TRAM1; Polyclonal Antibody; Anti-TRAM1 Antibody Picoband; anti-TRAM1 antibody

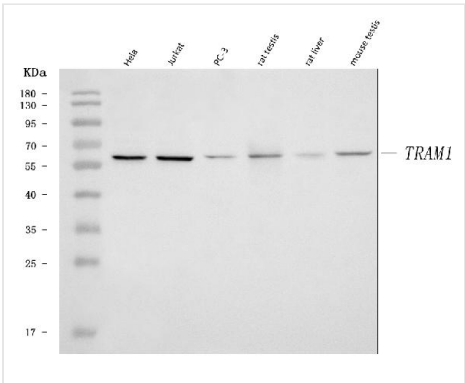
PRODUCT SPECIFICATIONS

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-TRAM1 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human TRAM1 (QLRRWREHSAFQAPAVKKK).
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 SiHa cells using anti-TRAM1 antibody (AAA126351).Overlay histogram showing SiHa cells stained with AAA126351 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRAM1 Antibody (AAA126351, 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 TRAM1 using anti-TRAM1 antibody (AAA126351).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 Hela whole cell lysates,Lane 2: human Jurkat whole cell lysates,Lane 3: human PC-3 whole cell lysates,Lane 4: rat testis tissue lysates,Lane 5: rat liver tissue lysates,Lane 6: mouse testis 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-TRAM1 antigen affinity purified polyclonal antibody (#AAA126351) 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 TRAM1 at approximately 55-60 kDa. The expected band size for TRAM1 is at 43 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAM1 antibody	TRAM1(Translocation-Associating Membrane Protein 1), By crosslinking and reconstitution of canine proteoliposomes, followed by microsequencing and PCR screening of canine kidney and HeLa cell cDNA libraries, Gorlich et al.(1992) isolated cDNAs encoding TRAM(translocating chain-associating membrane protein). The International Radiation Hybrid Mapping Consortium mapped the TRAM gene to chromosome 8. Sequence analysis predicted that human TRAM is a 374-amino acid, 8-pass transmembrane protein that shares 95% amino acid identity with the canine protein. Functional analysis indicated that TRAM influences glycosylation and is stimulatory or required for the translocation of secretory proteins.
Product Categories/Family for anti-TRAM1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	18202507
NCBI GeneID	23471
UniProt Accession #	Q15629; B4E0K2
Molecular Weight	39,683 Da
NCBI Official Full Name	Translocating chain-associated membrane protein 1
NCBI Official Synonym Full Names	translocation associated membrane protein 1
NCBI Official Symbol	TRAM1
NCBI Official Synonym Symbols	TRAM; PNAS8; TRAMP
NCBI Protein Information	translocating chain-associated membrane protein 1; translocation-associating membrane protein 1; translocating chain-associating membrane protein

UniProt Protein Name	Translocating chain-associated membrane protein 1
UniProt Gene Name	TRAM1
UniProt Synonym Gene Names	TRAM
UniProt Entry Name	TRAM1_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://www.aaabiotech.com/polyclonal/tram1-antibody-western-blot-flow-cytometry-elisa/126351>