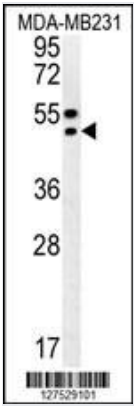
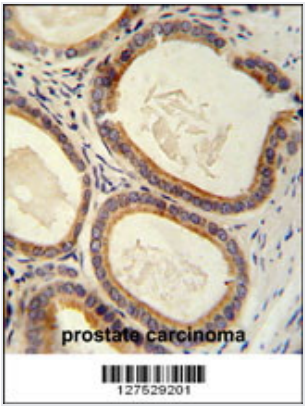
TRAM2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TRAM2, Polyclonal Antibody
Full Product Name	TRAM2, CT (TRAM2, KIAA0057, Translocating chain-associated membrane protein 2) (FITC)
Product Gene Name	anti-TRAM2 antibody
Product Synonym Names	TRAM2; KIAA0057; Translocating chain-associated membrane protein 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	43kDa
OMIM	608485
3D Structure	ModBase 3D Structure for Q15035
Immunogen	TRAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 349-378 amino acids from the C-terminal region of human TRAM2.
Conjugate	FITC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-TRAM2 antibody	Antibodies; KIAA; orf
Applications Tested/Suitable for anti-TRAM2 antibody	Immunohistochemistry (IHC), FLISA, Western Blot (WB)
Application Notes for anti-TRAM2 antibody	IHC: 1:50-100 FLISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-TRAM2 antibody	MBS6357948 is an antibody targeting TRAM2. Also known as TRAM2, CT (TRAM2, KIAA0057, Translocating chain-associated membrane protein 2) (FITC). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-TRAM2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-TRAM2 antibody
TRAM2 Antibody (C-term) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TRAM2 antibody detected the TRAM2 protein (arrow).



Immunohistochemistry (IHC) of anti-TRAM2 antibody
TRAM2 antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the TRAM2 antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRAM2. It may not necessarily be applicable to this product.

NCBI GI #	6912450
NCBI GeneID	9697
NCBI Accession #	NP_036420.1
UniProt Primary Accession #	Q15035
UniProt Secondary Accession #	A8K6T6
UniProt Related Accession #	Q15035
GenBank Nucleotide #	NM_012288.3
NCBI Official Full Name	translocating chain-associated membrane protein 2
NCBI Official Synonym Full Names	translocation associated membrane protein 2
NCBI Official Symbol	TRAM2
UniProt Protein Name	Translocating chain-associated membrane protein 2
Protein Family	Translocating chain-associated membrane protein
UniProt Gene Name	TRAM2
UniProt Synonym Gene Names	KIAA0057
NCBI Protein Information	translocating chain-associated membrane protein 2
NCBI Summary for TRAM2	TRAM2 is a component of the translocon, a gated macromolecular channel that controls the posttranslational processing of nascent secretory and membrane proteins at the endoplasmic reticulum (ER) membrane.[supplied by OMIM, Jul 2004]
UniProt Comments for TRAM2	Necessary for collagen type I synthesis. May couple the activity of the ER Ca2+ pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca2+ concentration at the site of collagen synthesis, and a high Ca2+ concentration may be necessary for the function of molecular chaperones involved in collagen folding. Required for proper insertion of the first transmembrane helix N-terminus of TM4SF20 into the ER lumen, may act as a ceramide sensor for regulated alternative translocation (RAT) (PubMed:27499293).
Research Articles on TRAM2	**1.** results support a role of DAP12 in stabilizing TREM2-CTF, thereby protecting against excessive pro-inflammatory responses.

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