

Anti-TRAM2 Antibody (1W462)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 43 kDa. Actual: 43 kDa.
Clone:	1W462
Purification:	Protein A purified

Applications

Verified Activity:	Western blot analysis of HepG2 cell lysate. Using TRAM2 (TMAB-13725) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r. T. for 60 min.
Application:	WB
Recommended	WB: 1:1000-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized peptide: human TRAM2
Antigen Species:	Human
Gene ID:	9697
Uniprot ID:	Q15035

Research Background

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).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481