Datasheet for ABIN6265712

anti-TRAM2 antibody (C-Term)

2 Images

Go to Product page

Overview

Quantity:	100 µL
Target:	TRAM2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRAM2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human TRAM2, corresponding to a region within C-terminal amino acids.
Isotype:	IgG
Specificity:	TRAM2 Antibody detects endogenous levels of total TRAM2.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	TRAM2

Target Details

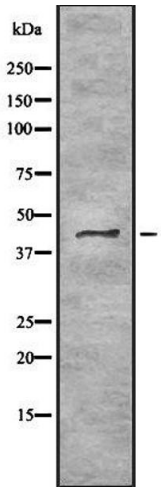
Alternative Name:	TRAM2 (TRAM2 Products)
Background:	Description: Necessary for collagen type I synthesis. May couple the activity of the ER Ca2+ pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca2+ concentration at the site of collagen synthesis, and a high Ca2+ 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). Gene: TRAM2
Molecular Weight:	43 kDa
Gene ID:	9697
UniProt:	Q15035

Application Details

Application Notes:	WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

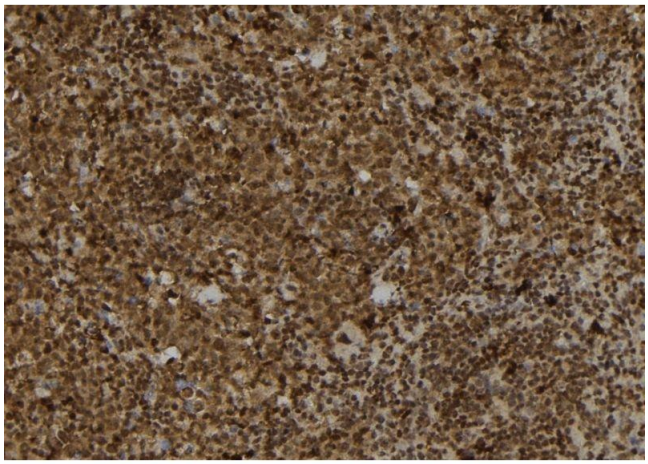
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months



Western Blotting

Image 1. Western blot analysis of TRAM2 using HeLa whole cell lysates



Immunohistochemistry

Image 2. ABIN6278249 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary