



Rabbit Anti-TRAM2 antibody

SL16566R

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| Product Name: | TRAM2 |
| Chinese Name: | 相关易位膜蛋白2抗体 |
| Alias: | C330003D03Rik; KIAA0057; MGC25725; OTTHUMP00000016607; TRAM like protein; Tram2; TRAM2_HUMAN; Translocating chain associating membrane protein 2; Translocating chain-associated membrane protein 2; Translocation associated membrane protein 2. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 43kDa |
| Cellular localization: | The cell membrane |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human TRAM2:51-150/370 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | 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] |

Function:

Necessary for collagen type I synthesis. May couple the activity of the ER Ca(2+) pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca(2+) concentration at the site of collagen synthesis, and a high Ca(2+) concentration may be necessary for the function of molecular chaperones involved in collagen folding.

Subcellular Location:

Membrane.

Similarity:

Belongs to the TRAM family.
Contains 1 TLC (TRAM/LAG1/CLN8) domain.

SWISS:

Q15035

Gene ID:

9697

Database links:

[Entrez Gene: 9697](#) Human

[Entrez Gene: 617287](#) Cow

[Entrez Gene: 474936](#) Dog

[Entrez Gene: 100730382](#) Guinea pig

[Entrez Gene: 100069225](#) Horse

[Entrez Gene: 170829](#) Mouse

[Entrez Gene: 100157796](#) Pig

[Entrez Gene: 301296](#) Rat

[Entrez Gene: 406344](#) Zebrafish

[Omim: 608485](#) Human

[SwissProt: Q15035](#) Human

[SwissProt: Q924Z5](#) Mouse

[Unigene: 520182](#) Human

[Unigene: 185680](#) Mouse

[Unigene: 273241](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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