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# TRAM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5996b

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q15035 |
| **Other Accession** | NP_036420.1 |
| **Reactivity** | Human |
| **Predicted** | Mouse, Rat, Bovine, Canine, Rabbit, Chicken |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB27529 |
| **Calculated MW** | 43328 |
| **Antigen Region** | 342-370 |

## Additional Information

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|---|---|
| **Gene ID** | 9697 |
| **Other Names** | Translocating chain-associated membrane protein 2, TRAM2, KIAA0057 |
| **Target/Specificity** | This TRAM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 342-370 amino acids from the C-terminal region of human TRAM2. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | TRAM2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

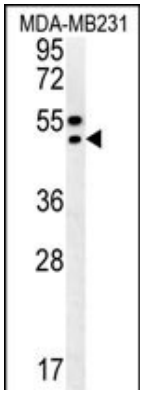
## Protein Information

| | |
|---|---|
| **Name** | TRAM2 |
| **Synonyms** | KIAA0057 |
| **Function** | Necessary for collagen type I synthesis. May couple the activity of the ER |

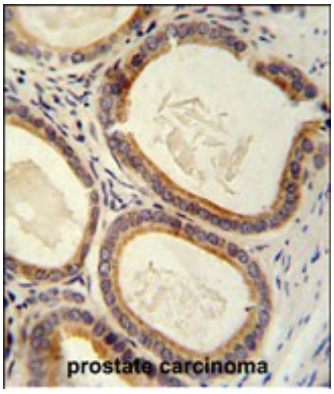
Ca(2+) pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca(2+) concentration at the site of collagen synthesis, and a high Ca(2+) concentration may be necessary for the function of molecular chaperones involved in collagen folding. Required for proper insertion of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

**Cellular Location** Membrane; Multi-pass membrane protein

## Images




TRAM2 Antibody (C-term) (Cat. #AP5996b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the TRAM2 antibody detected the TRAM2 protein (arrow).




TRAM2 antibody (C-term) (Cat. #AP5996b) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.