

## TRAM2 Rabbit mAb

Catalog No: #56029

Package Size: #56029-1 50ul #56029-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

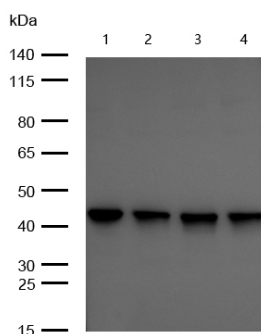
## Description

Product Name	TRAM2 Rabbit mAb
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Purification	Affinity-chromatography
Applications	WB;IF
Species Reactivity	Human;Mouse;Rat
Specificity	TRAM2 Antibody detects endogenous levels of total TRAM2
Immunogen Description	A synthesized peptide derived from human TRAM2
Other Names	KIAA0057;TRAM like protein;Tram2;Translocating chain associating membrane protein 2;Translocation associated membrane protein 2
Accession No.	Uniprot:Q15035
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Calculated MW	43 kDa
SDS-PAGE MW	43 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4 $\Lambda$ C short term. Store at -20 $\Lambda$ C long term. Avoid freeze / thaw cycle.

## Application Details

WB:1:500~1:2000

## Images



All lanes : TRAM2 Rabbit mAb at 1/1k dilution

Lane 1 : JK whole cell lysates

Lane 2 : MCF7 whole cell lysates

Lane 3 : Hela whole cell lysates

Lane 4 : HepG2 whole cell lysates

Lysates/proteins at 20  $\mu$ g per lane.

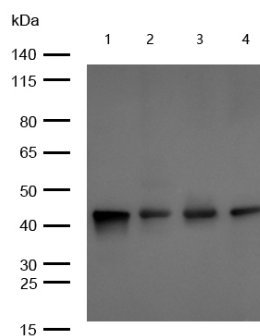
Secondary

All lanes : Goat Anti-Rabbit IgG H&amp;L (HRP) at 1/20000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa

Exposure time: 3 seconds



All lanes : TRAM2 Rabbit mAb at 1/1k dilution

Lane 1 : 3T3 whole cell lysates

Lane 2 : Mouse Liver lysates

Lane 3 : Rat Liver lysates

Lane 4 : Rat Brain lysates

Lysates/proteins at 20 µg per lane.

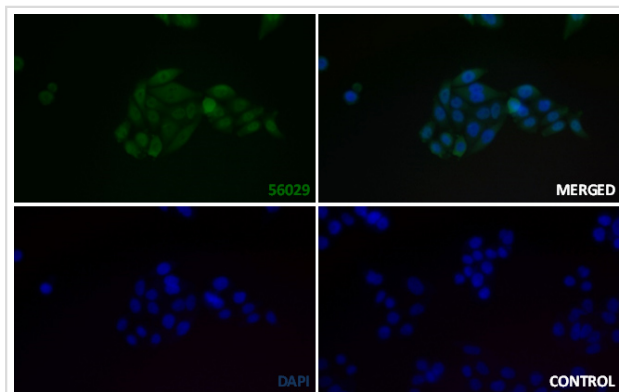
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Immunocytochemistry/ Immunofluorescence - TRAM2 antibody (56029)

56029 staining TRAM2 in the HeLa cell line by ICC/IF. Cells were fixed with 4% Paraformaldehyde permeabilized with 0.1% Triton X-100.

Samples were incubated with 56029 at a working dilution of 1/100. The secondary antibody was Alexa FluorB 488 goat anti rabbit, used at a dilution of 1/500.

The negative control is shown in bottom right hand panel - for the negative control, purified 56029 was used at a dilution of 1/100 followed by Alexa FluorB 647 goat anti- rabbit antibody at a dilution of 1/500.

Nuclei were counterstained with DAPI.

## Product Description

TRAM2 is necessary for collagen type I synthesis. May couple the activity of the ER Ca<sup>2+</sup> pump SERCA2B with the activity of the translocon. This coupling may increase the local Ca<sup>2+</sup> concentration at the site of collagen synthesis, and a high Ca<sup>2+</sup> concentration may be necessary for the function of molecular chaperones involved in collagen folding.

Note: This product is for in vitro research use only