

## Anti-TMS1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

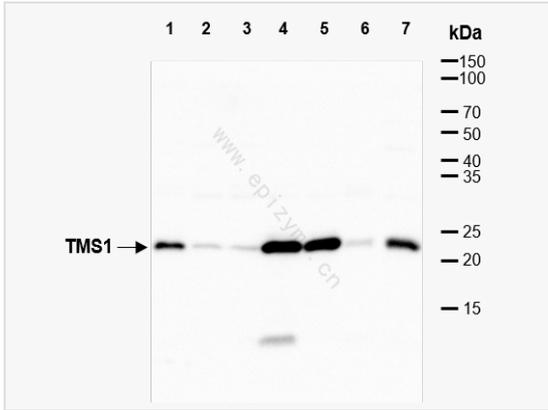
Catalog # R013826

### Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	84C38F92
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human TMS1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-TMS1 Rabbit mAb [84C38F92] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Apoptosis associated speck like protein containing a CARD, Apoptosis-associated speck-like protein containing a CARD, ASC, ASC_HUMAN, CARD 5, CARD5, Caspase recruitment domain containing protein 5, Caspase recruitment domain protein 5, Caspase recruitment domain-containing protein 5, hASC, MGC10332, PYCARD, PYD and CARD domain containing, PYD and CARD domain containing protein, PYD and CARD domain-containing protein, Target of methylation induced silencing 1, Target of methylation-induced silencing 1, TMS 1, TMS, TMS1.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 22 kDa
Uniprot ID	Q9ULZ3
Gene ID	29108
Background	This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Cellular Location	Cytoplasm. Upstream of caspase activation, a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow, perinuclear spherical, ball-like structures.
Tissue Location	Widely expressed at low levels. Detected in peripheral blood leukocytes, lung, small intestine, spleen, thymus, colon and at



Western Blot - Anti-TMS1 Rabbit mAb [84C38F92]

All lanes: R013826 at 1:2,000

Lane 1: MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 5: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 6: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 7: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

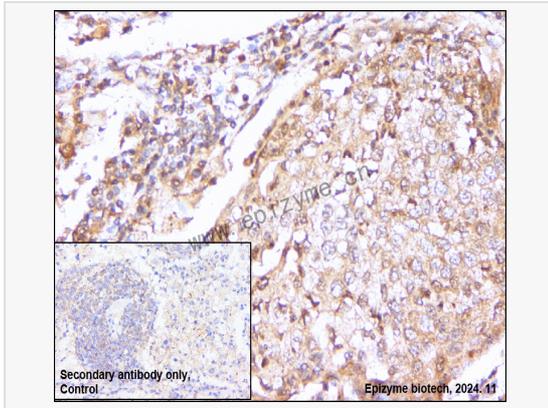
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 22 kDa

Observed band size: 22 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-TMS1 Rabbit mAb [84C38F92]

Sample: Paraformaldehyde-fixed, paraffin embedded human lung cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013826 at 1:200 dilution

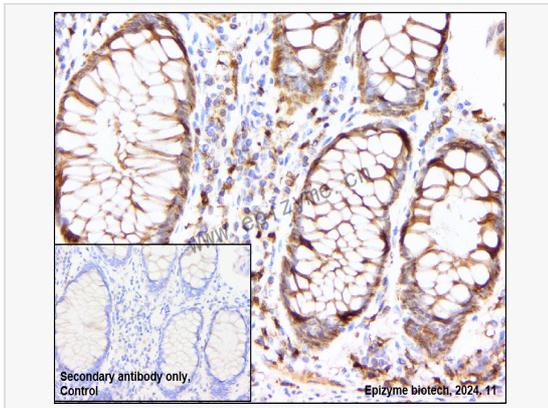
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-TMS1 Rabbit mAb [84C38F92]

Sample: Paraformaldehyde-fixed, paraffin embedded human colonic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013826 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.