ASC/TMS1 Rabbit mAb

Catalog No.: A24165 Recombinant 1 Publications



Basic Information

Observed MW

17kDa/24kDa

Calculated MW

21kDa

Category

Primary antibody

Applications

WB,IF/ICC,IF-P,IHC-P,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC65827

WB

Background

Enables identical protein binding activity and protein dimerization activity. Involved in several processes, including activation of cysteine-type endopeptidase activity; positive regulation of cytokine production; and regulation of defense response. Acts upstream of or within several processes, including defense response to Gram-positive bacterium; positive regulation of macromolecule metabolic process; and regulation of autophagy. Located in cytosol; extracellular region; and nucleus. Part of inflammasome complex. Is expressed in several structures, including alimentary system; brain; heart; hemolymphoid system gland; and urinary system. Orthologous to human PYCARD (PYD and CARD domain containing).

Recommended Dilutions

IF/ICC	1:50 - 1:200	
IF-P	1:50 - 1:200	
IHC-P	1:200 - 1:2000	
ELISA	Recommended starting concentration is 1 µg/mL.	

Please optimize the concentration based on your specific assay requirements.

1:3000 - 1:18000

Contact

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Immunogen Information

Gene ID	Swiss Prot
66824	Q9EPB4

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Asc; TNS1; masc; CARD5; TMS-1; 9130417A21Rik; ASC/TMS1

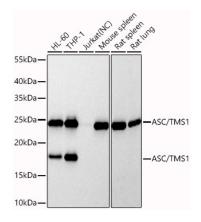
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



Western blot analysis of various lysates using ASC/TMS1 Rabbit mAb (A24165) at 1:3000 dilution incubated overnight at 4° C.

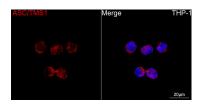
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

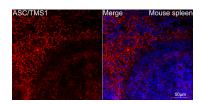
Lysates/proteins: 25 µg per lane.

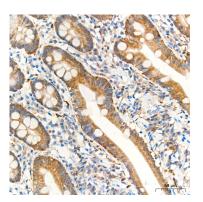
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Negative control (NC): Jurkat Exposure time: 30s.



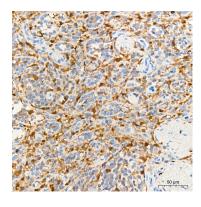




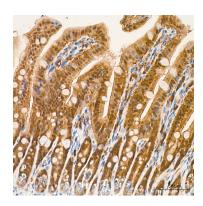
Confocal imaging of THP-1 cells using ASC/TMS1 Rabbit mAb (A24165,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red).DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of paraffin-embedded Mouse spleen using ASC/TMS1 Rabbit mAb (A24165,dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007,dilution 1:500)(Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.

Immunohistochemistry analysis of paraffinembedded Human colon tissue using ASC/TMS1 Rabbit mAb (A24165) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human spleen tissue using ASC/TMS1 Rabbit mAb (A24165) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Mouse intestin tissue using ASC/TMS1 Rabbit mAb (A24165) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M citrate buffer (pH 6.0) prior to IHC staining.