

ASC/TMS1 Rabbit mAb

Catalog No.: A24165 **Recombinant** **1 Publications**

Basic Information

Observed MW

17kDa/24kDa

Calculated MW

21kDa

Category

Primary antibody

Applications

WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC65827

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

WB 1:3000 - 1:18000

IHC-P 1:200 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

66824

Swiss Prot

Q9EPB4

Immunogen

Recombinant Protein corresponding to a sequence within amino acids 1-93 of mouse ASC/TMS1(NP_075747.3).

Synonyms

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

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

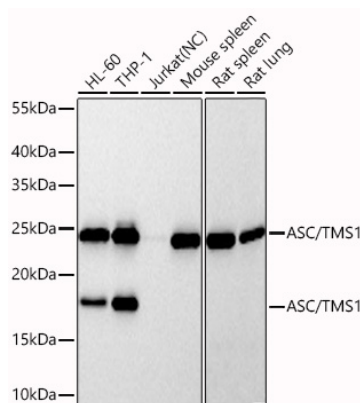
Affinity purification

Storage

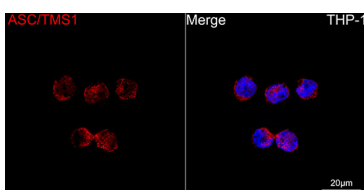
Store at -20°C. Avoid freeze / thaw cycles.

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

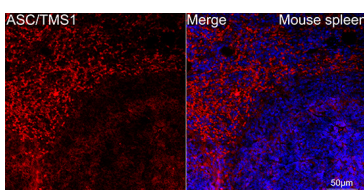
Validation Data



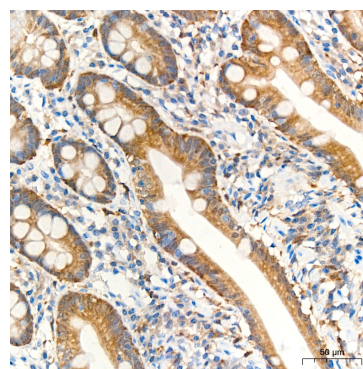
Western blot analysis of various lysates using ASC/TMS1 Rabbit mAb (A24165) at 1:3000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Negative control (NC): Jurkat
 Exposure time: 30s.



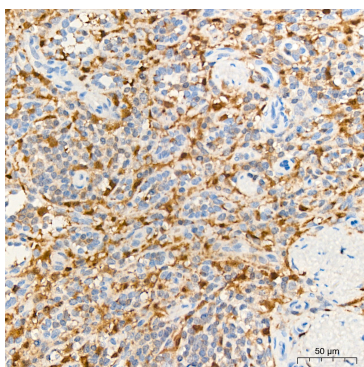
Confocal imaging of THP-1 cells using ASC/TMS1 Rabbit mAb (A24165, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



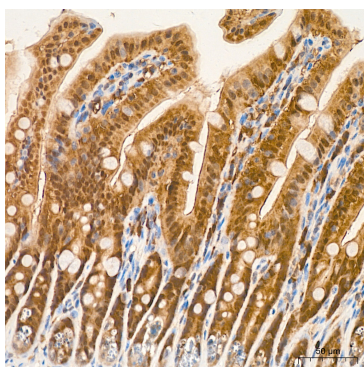
Confocal imaging of paraffin-embedded Mouse spleen using ASC/TMS1 Rabbit mAb (A24165, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval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



Immunohistochemistry analysis of paraffin-embedded 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 paraffin-embedded 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 paraffin-embedded Mouse intestine 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.