Leader in Biomolecular Solutions for Life Science

www.abclonal.com

ASC/TMS1 Rabbit pAb

Catalog No.: A1170SP

Basic Information

Observed MW
17 kDa/24 kDa

Calculated MW
22 kDa

Category
Primary antibody

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

Cross-Reactivity
Human, Mouse, Rat

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. 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	1:5000 - 1:20000
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.For high-ratio antibody dilutions (≥1:10000)a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
29108/66824

Swiss Prot
Q9ULZ3/Q9EPB4

Immunogen
This information is considered to be commercially sensitive.

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

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

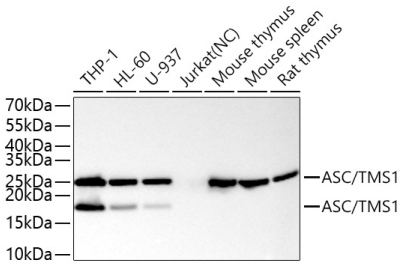
Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Validation Data



Western blot analysis of various lysates using ASC/TMS1 Rabbit pAb (A1170SP) at 1:5000 dilution incubated at room temperature for 1.5 hours.
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: 5 s.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.