# ASC/TMS1 Rabbit pAb

Catalog No.: A16672 32 Publications



# **Basic Information**

#### **Observed MW**

19-25kDa

#### **Calculated MW**

22kDa

## Category

Primary antibody

### **Applications**

WB,IHC-P,IF/ICC,IP,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.

## **Recommended Dilutions**

**WB** 1:1000 - 1:6000

**IHC-P** 1:50 - 1:200

**IF/ICC** 1:50 - 1:200

**IP** 0.5μg-4μg antibody for

400μg-600μg extracts of

whole cells

**ELISA** Recommended starting

concentration is 1 µg/mL.

Please optimize the
concentration based on
your specific assay
requirements.

### **Contact**

<u>a</u>	400-999-6126
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•	www.abclonal.com.cn

# **Immunogen Information**

**Gene ID**29108

Swiss Prot
Q9ULZ3

#### **Immunogen**

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

## **Synonyms**

ASC; TMS; TMS1; CARD5; TMS-1; ASC/TMS1

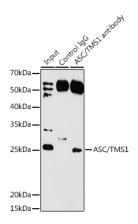
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

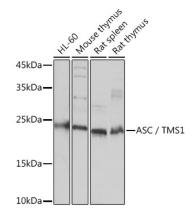
#### Storage

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

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.



Immunoprecipitation analysis of 200  $\mu g$  extracts of Rat lung using 3  $\mu g$  ASC/TMS1 antibody (A16672). Western blot was performed from the immunoprecipitate using ASC/TMS1 antibody (A16672) at a dilution of 1:1000.



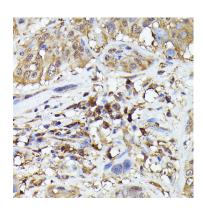
Western blot analysis of various lysates using ASC/TMS1 Rabbit pAb (A16672) at 1:3000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit lgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

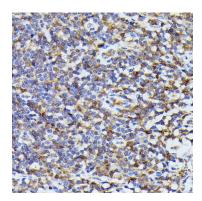
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

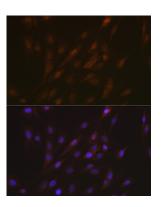
Exposure time: 10s.



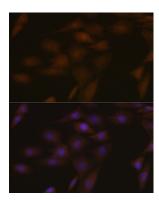
Immunohistochemistry analysis of paraffinembedded Human esophageal cancer using ASC/TMS1 Rabbit pAb (A16672) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



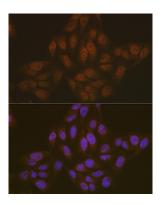
Immunohistochemistry analysis of paraffinembedded Human tonsil using ASC/TMS1 Rabbit pAb (A16672) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of C6 cells using ASC/TMS1 Rabbit pAb (A16672) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH-3T3 cells using ASC/TMS1 Rabbit pAb (A16672) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using ASC/TMS1 Rabbit pAb (A16672) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.