

For Research Use Only

# ASC/TMS1 Polyclonal antibody

Catalog Number: 10500-1-AP

Featured Product

208 Publications



## Basic Information

**Catalog Number:**

10500-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0774

**GenBank Accession Number:**

BC004470

**GeneID (NCBI):**

29108

**UNIPROT ID:**

Q9ULZ3

**Full Name:**

PYD and CARD domain containing

**Calculated MW:**

25 kDa

**Observed MW:**

22-25 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

**Tested Applications:**

IHC, IP, WB, ELISA

**Cited Applications:**

WB, IP, IF, IHC, CoIP, ELISA

**Species Specificity:**

human, mouse

**Cited Species:**

human, pig, canine, bovine

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB: HL-60 cells, A549 cells, Raji cells, U-937 cells, THP-1 cells

IP: HL-60 cells,

IHC: human lung cancer tissue, mouse colon tissue

## Background Information

PYCARD, also known as ASC or TMS1, is a 195 amino acid protein containing an N-terminal Pyrin-like domain (PYD) and an 87 residue C-terminal Caspase-associated recruitment domain (CARD). It promotes caspase-mediated apoptosis which is mediated predominantly through the activation of caspase-9.

## Notable Publications

Author	Pubmed ID	Journal	Application
JiangFan Yu	36248980	Front Oncol	WB
Sheng-Li Ming	33072119	Front Immunol	WB
Pengxiao Chen	34603026	Front Pharmacol	WB,IF

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

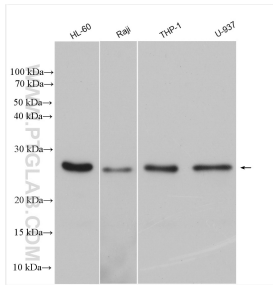
T: 4006900926

E: Proteintech-CN@ptglab.com

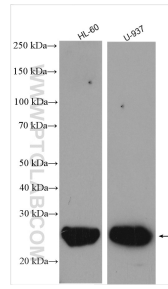
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

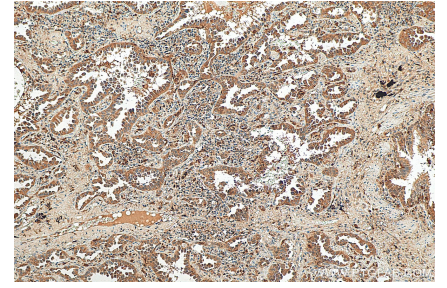
## Selected Validation Data



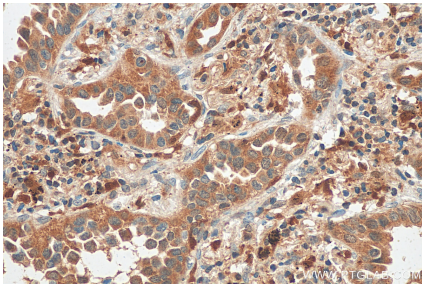
Various lysates were subjected to SDS PAGE followed by western blot with 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



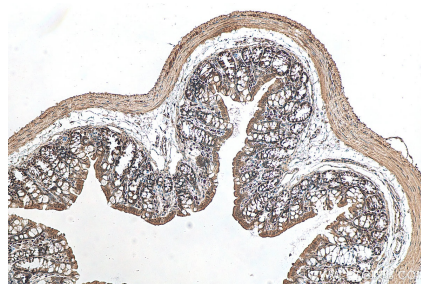
Various lysates were subjected to SDS PAGE followed by western blot with 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



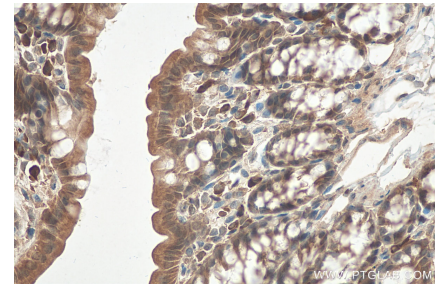
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



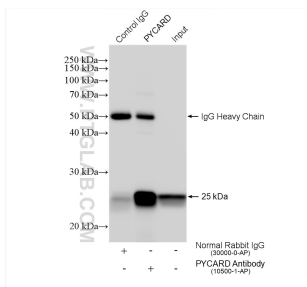
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



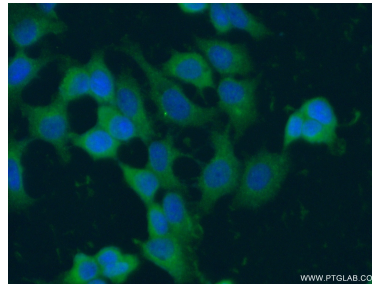
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10500-1-AP (ASC/TMS1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ASC/TMS1 (IP:10500-1-AP, 4ug; Detection:10500-1-AP 1:8000) with HL-60 cells lysate 1720 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using 10500-1-AP (TMS1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).