

For Research Use Only

# ASC/TMS1 Polyclonal antibody

Catalog Number: 30641-1-AP

4 Publications



## Basic Information

Catalog Number:

30641-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32519

GenBank Accession Number:

NM\_023258

GeneID (NCBI):

66824

UNIPROT ID:

Q9EPB4

Full Name:

PYD and CARD domain containing

Calculated MW:

21KD

Observed MW:

21-25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:200-1:800

IF/ICC: 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

mouse, rat

Cited Species:

human, mouse, rat

**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 : mouse spleen tissue, mouse thymus tissue, rat spleen tissue, rat thymus tissue

IHC : mouse colon tissue,

IF/ICC : MCF-7 cells,

## Background Information

PYCARD (PYD and CARD domain containing), also known as ASC and CARD5. The calculated molecular weight of PYCARD is 21 kDa. It is located in cytosol, extracellular region and nucleus. PYCARD is also expressed in several structures, including alimentary system; brain; heart; hemolymphoid system gland; and urinary system. The 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. It acts upstream of or within several processes, including defense response to Gram-positive bacterium; positive regulation of macromolecule metabolic process; and regulation of autophagy. It is also a part of inflammasome complex. Finally, it orthologous to human PYCARD (PYD and CARD domain containing).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hui Zhang	40351418	Front Pharmacol	WB
Fen Wang	39987774	Tissue Cell	WB
Hao Wang	39642564	Int Immunopharmacol	WB

## Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

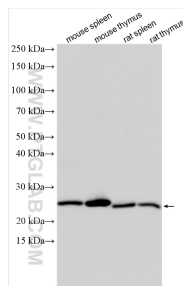
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

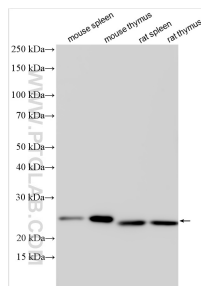
W: [ptgcn.com](http://ptgcn.com)

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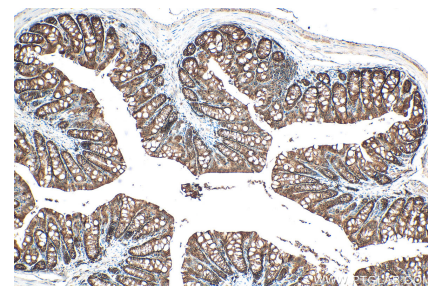
## Selected Validation Data



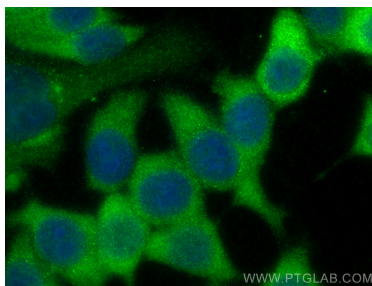
Various lysates were subjected to SDS PAGE followed by western blot with 30641-1-AP (PYCARD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 30641-1-AP (PYCARD antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 30641-1-AP (ASC/TMS1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using PYCARD antibody (30641-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).