

For Research Use Only

# ASC/TMS1 Monoclonal antibody

Catalog Number: 67494-1-Ig **31 Publications**



## Basic Information

<b>Catalog Number:</b> 67494-1-Ig	<b>GenBank Accession Number:</b> BC004470	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 29108	<b>CloneNo.:</b> 2G12E6
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q9ULZ3	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> PYD and CARD domain containing	
<b>Immunogen Catalog Number:</b> AG28424	<b>Calculated MW:</b> 25 kDa	
	<b>Observed MW:</b> 22-25 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HL-60 cells, human placenta tissue, THP-1 cells, U-937 cells
<b>Cited Applications:</b> WB, IHC, IF, IP, CoIP	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

## 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
Jiayang Liu	34733914	Ann Transl Med	WB
Yiping Leng	32912629	Biochem Biophys Res Commun	WB
Yingchun Zhao	34663844	Sci Rep	WB

## Storage

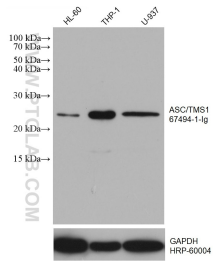
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

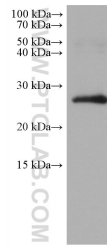
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67494-1-Ig (ASC/TMS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



human placenta tissue were subjected to SDS PAGE followed by western blot with 67494-1-Ig (ASC/TMS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.