

For Research Use Only

ASC/TMS1 Monoclonal antibody

Catalog Number: 67494-1-Ig **36 Publications**



Basic Information

Catalog Number: 67494-1-Ig	GenBank Accession Number: BC004470	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 29108	CloneNo.: 2G12E6
Source: Mouse	UNIPROT ID: Q9ULZ3	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:50-1:500
Isotype: IgG1	Full Name: PYD and CARD domain containing	
Immunogen Catalog Number: AG28424	Calculated MW: 25 kDa	
	Observed MW: 22-25 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF, IP, CoIP	WB : HL-60 cells, human placenta tissue, THP-1 cells, U-937 cells
Species Specificity: human	IHC : human colon cancer tissue,
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

Storage

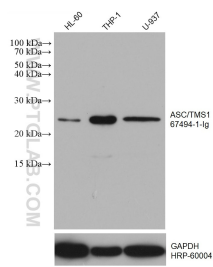
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

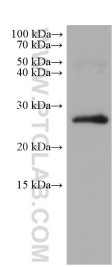
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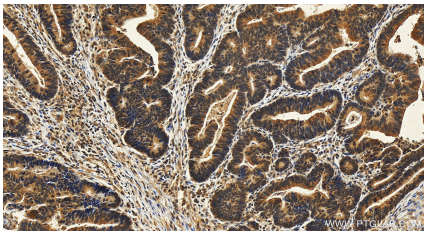
Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 67494-1-Ig (ASC/TMS1 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).