

ASC/TMS1 Recombinant monoclonal antibody

Catalog Number: 88328-1-RR

Basic Information

Catalog Number: 88328-1-RR	GenBank Accession Number: BC004470	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 29108	CloneNo.: 260842C2
Source: Rabbit	UNIPROT ID: Q9ULZ3	Recommended Dilutions: WB: 1:2000-1:10000 IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC: 1:200-1:800
Isotype: IgG	Full Name: PYD and CARD domain containing	
Immunogen Catalog Number: AG0774	Calculated MW: 25 kDa	
	Observed MW: 15-22 kDa	

Applications

Tested Applications: WB, IHC, IP, ELISA	Positive Controls:
Species Specificity: human	WB : A549 cells, HL-60 cells, U-937 cells, THP-1 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IP : HL-60 cells,
	IHC : human colon cancer tissue, human tonsillitis 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. TMS1/ASC has different isoforms: ASC, ASC-b and ASC-c (PMID: 20482797).

Storage

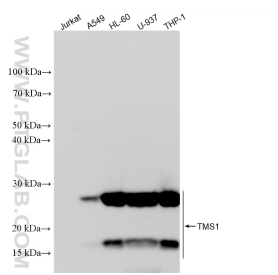
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
 Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

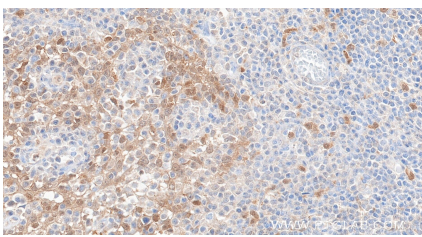
For technical support and original validation data for this product please contact:
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
 E: proteintech@ptglab.com
 W: ptglab.com

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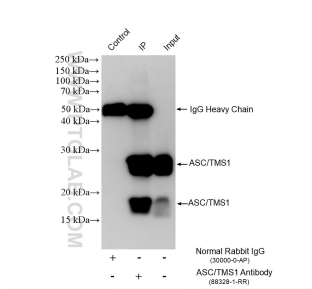
Selected Validation Data



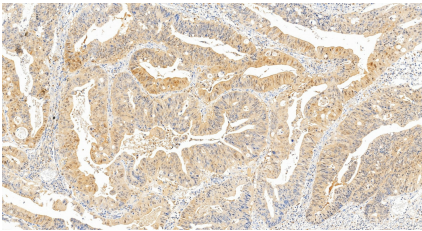
Various lysates were subjected to SDS PAGE followed by western blot with 88328-1-RR (TMS1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 88328-1-RR (ASC/TMS1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-ASC/TMS1 (IP:88328-1-RR, 4ug; Detection:88328-1-RR 1:3000) with HL-60 cells lysate 1200 ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 88328-1-RR (ASC/TMS1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).