

For Research Use Only

ASC/TMS1 Recombinant antibody

Catalog Number: 83858-3-RR



Basic Information

Catalog Number: 83858-3-RR	GenBank Accession Number: NM_023258	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 66824	CloneNo.: 240908D5
Source: Rabbit	UNIPROT ID: Q9EPB4	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:250-1:1000
Isotype: IgG	Full Name: PYD and CARD domain containing	
Immunogen Catalog Number: AG32519	Calculated MW: 21KD	
	Observed MW: 21-25 kDa	

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
mouse

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 : J774A.1 cells, mouse lung tissue, mouse thymus tissue, mouse spleen tissue

IHC : mouse colon tissue,

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).

Storage

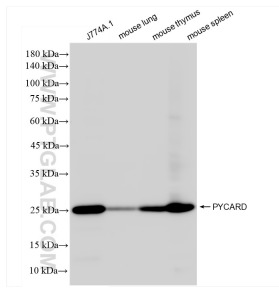
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

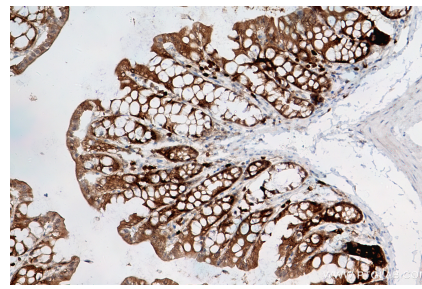
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

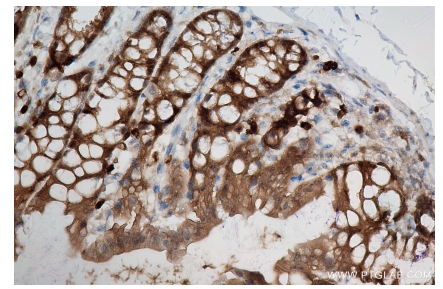
Selected Validation Data



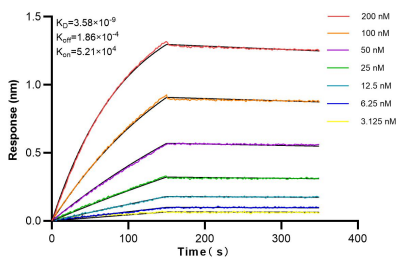
Various lysates were subjected to SDS PAGE followed by western blot with 83858-3-RR (PYCARD antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83858-3-RR (ASC/TMS1 antibody) at dilution of 1:500 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 83858-3-RR (ASC/TMS1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Bi-layer interferometry (BLI) kinetic assays of 83858-3-RR against Mouse PYCARD were performed. The affinity constant is 3.58 nM.