

For Research Use Only

ASC/TMS1 Polyclonal antibody

Catalog Number: 30641-1-AP **1 Publications**



Basic Information

Catalog Number: 30641-1-AP	GenBank Accession Number: NML_023258	Purification Method: Antigen affinity purification
Size: 600 ug/ml	GeneID (NCBI): 66824	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q9EPB4	
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, IF/ICC, ELISA	Positive Controls: WB : mouse spleen tissue, mouse thymus tissue, rat spleen tissue, rat thymus tissue IF/ICC : MCF-7 cells,
Cited Applications: WB	
Species Specificity: mouse, rat	
Cited Species: mouse	

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
Bangyuan Zhou	39220309	Food Sci Biotechnol	WB

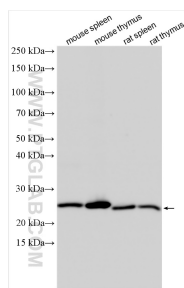
Storage

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

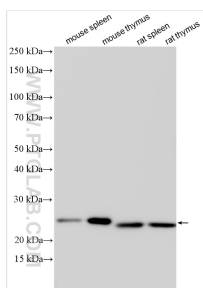
For technical support and original validation data for this product please contact:
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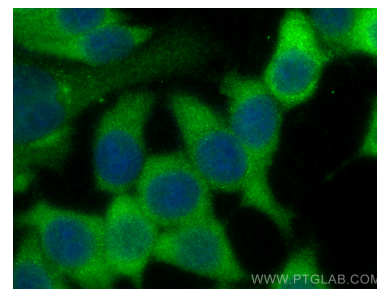
Selected Validation Data



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.



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).