

Basic Information

Product Name	Anti-ASC/TMS1/PYCARD Antibody	
Gene Name	Pycard	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	mouse, rat	
Tested Application	WB, IHC, FCM, ELISA	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	E.coli-derived mouse TMS1/ASC/PYCARD recombinant protein (Position: R3-S193).	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	22 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

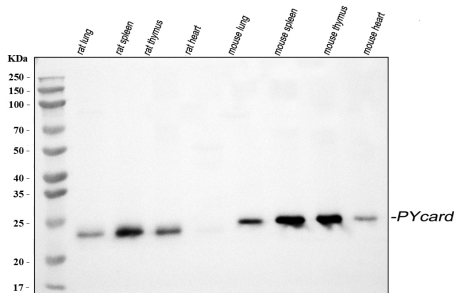
Background Information

PYCARD, often referred to as ASC (Apoptosis-associated speck-like protein containing a CARD), is a protein that in humans is encoded by the PYCARD gene. This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene.

Reference

Anti-ASC/TMS1/PYCARD Antibody被引用在4文献中。

Selected Validation Data



Western blot analysis of ASC/TMS1/PYCARD using anti-ASC/TMS1/PYCARD antibody (A00362-4). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: rat lung tissue lysates,

Lane 2: rat spleen tissue lysates,

Lane 3: rat thymus tissue lysates,

Lane 4: rat heart tissue lysates,

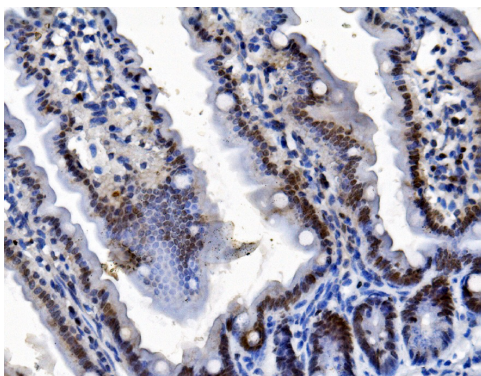
Lane 5: mouse lung tissue lysates,

Lane 6: mouse spleen tissue lysates,

Lane 7: mouse thymus tissue lysates,

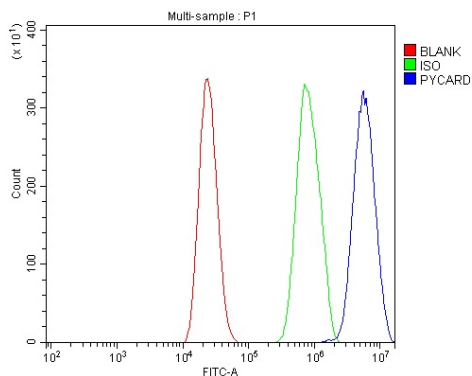
Lane 8: mouse heart tissue lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ASC/TMS1/PYCARD antigen affinity purified polyclonal antibody (A00362-4) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ASC/TMS1/PYCARD at approximately 22 kDa. The expected band size for ASC/TMS1/PYCARD is at 21 kDa.



IHC analysis of ASC/TMS1/PYCARD using anti-ASC/TMS1/PYCARD antibody (A00362-4).

ASC/TMS1/PYCARD was detected in a paraffin-embedded section of mouse intestine tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ASC/TMS1/PYCARD Antibody (A00362-4) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of Raw264.7 cells using anti-ASC/TMS1/PYCARD antibody (A00362-4).

Overlay histogram showing Raw264.7 cells stained with A00362-4 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ASC/TMS1/PYCARD Antibody (A00362-4) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.