

ASC (PT2146R) PT™ Rabbit mAb

CatalogNo: YM960372 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 22kD (Calculated)
- 24kD (Observed)

Isotype

- IgG, Kappa

Storage

Storage*

-15°C to -25°C/1 year (Do not lower than -25°C)

Formulation

PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

IHC 1:200-1:1000**WB 1:2000-1:10000****IF 1:200-1:1000****ELISA 1:5000-1:20000****IP 1:50-1:200**

Basic Information

Clonality

Monoclonal

Clone Number

PT2146R

Immunogen Information

Immunogen

The specific immunogen used to produce this antibody is proprietary information.

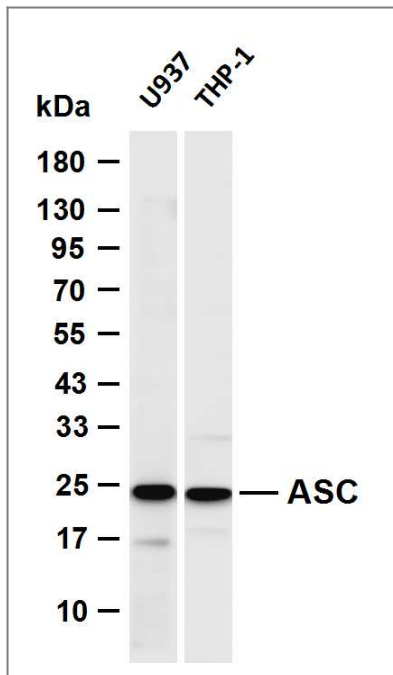
Specificity

Endogenous

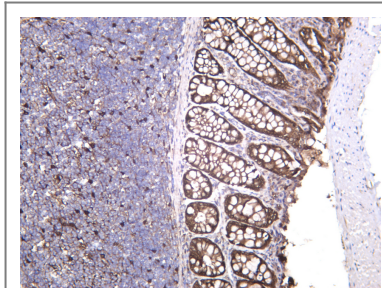
| Target Information

Gene name	PYCARD		
Protein Name	Apoptosis-associated speck-like protein containing a CARD		
	Organism	Gene ID	UniProt ID
	Human	29108 ;	Q9ULZ3 ;
	Mouse	66824 ;	Q9EPB4 ;
Cellular Localization	Cytoplasm , Nucleus		
Tissue specificity	Widely expressed at low levels. Detected in peripheral blood leukocytes , lung , small intestine , spleen , thymus , colon and at lower levels in placenta , liver and kidney. Very low expression in skeletal muscle , heart and brain. Expressed in lung epithelial cells (at protein level) (PubMed:23229815) . Detected in the leukemia cell lines HL-60 and U-937 , but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma. Detected in the melanoma cell line WM35 , but not in WM793. Not detected in HeLa cervical carcinoma cells and MOLT-4 lymphocytic leukemia cells.		
Function	Domain:Interacts with CIAS1/PYPAF1 and PYDC1 via the DAPIN domain. ,Function:Promotes caspase-mediated apoptosis. This proapoptotic activity is mediated predominantly through the activation of caspase 9. May be a component of the inflammasome , a protein complex which also includes NALP2 , CARD8 and CASP1 and whose function would be the activation of proinflammatory caspases. ,miscellaneous:in breast tumorigenesis , methylation-mediated silencing may affect genes and proteins that act as positive mediators of cell death. ,PTM:Phosphorylated. ,similarity:Contains 1 CARD domain. ,similarity:Contains 1 DAPIN domain. ,subcellular location:Upstream of caspase activation , a redistribution from the cytoplasm to the aggregates occurs. These appear as hollow , perinuclear spherical , ball-like structures. ,subunit:Forms complexes with other DAPIN domain-containing proteins. Interacts with CIAS1/PYPAF1 and PYDC1. ,tissue specificity:Widely expressed at low levels. Detected in peripheral blood leukocytes , lung , small intestine , spleen , thymus , colon and at lower levels in placenta , liver and kidney. Very low expression in skeletal muscle , heart and brain. Detected in the leukemia cell lines HL-60 and U937 , but not in Jurkat T-cell lymphoma and Daudi Burkitt's lymphoma. Detected in the melanoma cell line WM35 , but not in WM793. Not detected in HeLa cervical carcinoma cells and Molt 4 lymphocytic leukemia cells. ,		

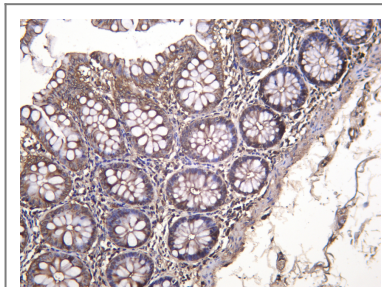
| Validation Data



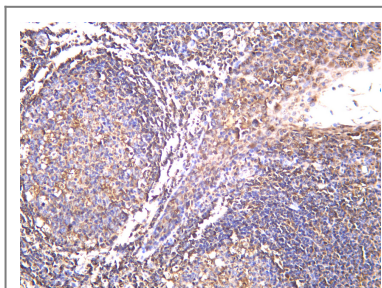
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ASC (PT2146R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: U937 Lane 2: THP-1 Predicted band size: 22kDa Observed band size: 24kDa



Rat appendix was stained with anti-ASC (PT2146R) Rabbit antibody



Human appendix was stained with anti-ASC (PT2146R) Rabbit antibody



Human tonsil was stained with anti-ASC (PT2146R) Rabbit antibody

| Contact information

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Please scan the QR code
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product information:
ASC (PT2146R) PT™
Rabbit mAb

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