Datasheet for ABIN3021617

anti-PYCARD antibody (AA 50-195)

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Overview

Quantity:	100 µL
Target:	PYCARD
Binding Specificity:	AA 50-195
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PYCARD antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 50-195 of human ASC / TMS1 (NP_037390.2).
Sequence:	LDLTDKLVSF YLETYGAELT ANVLRDMGLQ EMAGQLQAAT HQGSGAAPAG IQAPPQSAAK PGLHFIDQHR AALIARVTNV EWLLDALYGK VLTDEQYQAV RAEPTNPSKM RKLFSFTPAW NWTCKDLLLQ ALRESQSYLV EDLERS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PYCARD

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Target Details

Alternative Name:	PYCARD (PYCARD Products)
Background:	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.,PYCARD,ASC,CARD5,TMS,TMS-1,TMS1,PYD and CARD domain containing,ASC / TMS1,Cancer,Tumor biomarkers,Cell Biology & Developmental Biology,Apoptosis,Caspases,PYCARD
Molecular Weight:	15 kDa/19 kDa/21 kDa
Gene ID:	29108
UniProt:	Q9ULZ3
Pathways:	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Regulation of Actin Filament Polymerization, Positive Regulation of Endopeptidase Activity, Activated T Cell Proliferation, Inflammasome

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

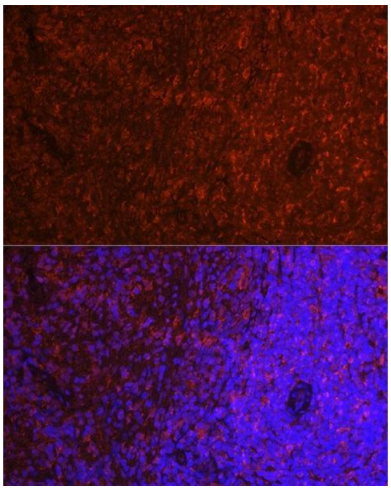
Publications

Product cited in:

Luo, Dan Wang, Luo, Zhu, Wang, Ning, Li, Ma, Yang, Jin, Huang, Meng, Li: "Caveolin 1-related autophagy initiated by aldosterone-induced oxidation promotes liver sinusoidal endothelial cells defenestration." in: **Redox biology**, Vol. 13, pp. 508-521, (2018) (PubMed).

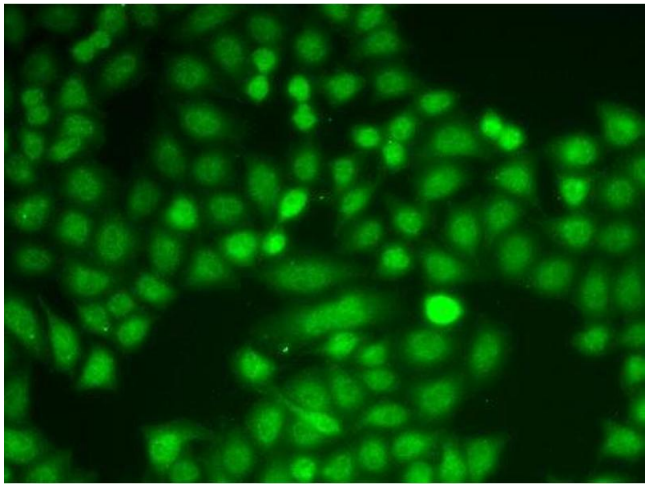
Luo, Wang, Zhu, Wang, You, Ning, Li, Jin, Huang, Hu, Chen, Meng, Li: "Autophagic degradation of caveolin-1 promotes liver sinusoidal endothelial cells defenestration." in: **Cell death & disease**, Vol. 9, Issue 5, pp. 576, (2018) (PubMed).

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of rat spleen cells using ASC/TMS1 Rabbit pAb (ABIN3021616, ABIN3021617, ABIN3021618, ABIN1513454 and ABIN6215392) at dilution of 1:250 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of MCF-7 cell using PYCARD antibody.

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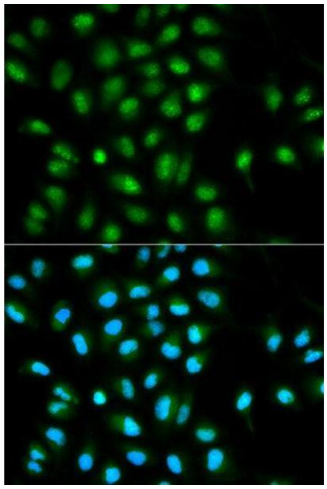

Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cell using PYCARD antibody. Blue: DAPI for nuclear staining.

Please check the product details page for more images. Overall 7 images are available for ABIN3021617.

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