Datasheet for ABIN7601174

anti-PYCARD antibody (AA 3-193)

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Overview

Quantity:	100 µg
Target:	PYCARD
Binding Specificity:	AA 3-193
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PYCARD antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-TMS1/ASC/Pycard Antibody Picoband®
Immunogen:	E.coli-derived mouse TMS1/ASC/PYCARD recombinant protein (Position: R3-S193).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-TMS1/ASC/Pycard Antibody Picoband® (ABIN7601174). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PYCARD
Alternative Name:	Pycard (PYCARD Products)
Background:	Synonyms: Transcription factor ETV6, ETS translocation variant 6, ETS-related protein Tel1, Tel, ETV6, TEL, TEL1 Tissue Specificity: Ubiquitous. Background: 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.
Molecular Weight:	22-25 kDa
Gene ID:	66824
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:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5 µg/mL, Mouse Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Mouse ELISA, 0.1-0.5 µg/mL, - 1. Agostini, L., Martinon, F., Burns, K., McDermott, M. F., Hawkins, P. N., Tschopp, J. NALP3 forms an IL-1-beta-processing inflammasome with increased activity in Muckle-Wells autoinflammatory disorder. Immunity 20: 319-325, 2004. 2. Cai, X., Chen, J., Xu, H., Liu, S., Jiang, Q.-X., Halfmann, R., Chen, Z. J. Prion-like polymerization underlies signal transduction in antiviral immune defense and inflammasome activation. Cell 156: 1207-1222, 2014. 3. Conway, K. E., McConnell, B. B., Bowring, C. E., Donald, C. D., Warren, S. T., Vertino, P. M. TMS1, a novel proapoptotic caspase recruitment domain protein, is a target of methylation-induced gene

Application Details

	silencing in human breast cancers. Cancer Res. 60: 6236-6242, 2000.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.