

Rabbit PYCARD Polyclonal Antibody | anti-PYCARD antibody

PYCARD Polyclonal Antibody

CATALOG # AAA37177	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PYCARD; Polyclonal Antibody; PYCARD Polyclonal Antibody; ASC: PYCARD; ASC; CARD5; MGC10332; TMS; TMS-1; TMS1; anti-PYCARD antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	195
Applicable Applications for anti-PYCARD antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PYCARD
Calculated Molecular Weight	25kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using PYCARD antibody.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using PYCARD antibody. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-PYCARD antibody	TMS1 (target of methylation-induced silencing)/ASC (apoptosis-associated speck-like protein containing a CARD), also referred to as PYCARD and CARD5, is a 22-kDa pro-apoptotic protein containing an N-terminal pyrin domain (PYD) and a C-terminal caspase recruitment domain (CARD) (1-2). The TMS1 gene was originally found to be aberrantly methylated and silenced in breast cancer cells (2), and has since been found to be silenced in a number of other cancers, including ovarian cancer (3), glioblastoma (4), melanoma (5), gastric cancer (6), lung cancer (7), and prostate cancer (8). Expression of TMS1 can be induced by pro-apoptotic/inflammatory stimuli (9). During apoptosis TMS1 is re-distributed from the cytosol to the mitochondria and associates with mitochondrial Bax to trigger cytochrome c release and subsequent apoptosis (10). TMS1 has also been found to be a critical component of inflammatory signaling where it associates with and activates caspase-1 in response to pro-inflammatory signals (11).
Product Categories/Family for anti-PYCARD antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	18203507
NCBI GeneID	29108
UniProt Accession #	Q9ULZ3; Q96D12; Q9BSZ5; Q9HBD0; Q9NXJ8
Molecular Weight	195
NCBI Official Full Name	Apoptosis-associated speck-like protein containing a CARD
NCBI Official Synonym Full Names	PYD and CARD domain containing
NCBI Official Symbol	PYCARD
NCBI Official Synonym Symbols	ASC; TMS; TMS1; CARD5; TMS-1
NCBI Protein Information	apoptosis-associated speck-like protein containing a CARD; target of methylation-induced silencing 1; caspase recruitment domain-containing protein 5
UniProt Protein Name	Apoptosis-associated speck-like protein containing a CARD
UniProt Gene Name	PYCARD
UniProt Synonym Gene Names	ASC; CARD5; TMS1; hASC
UniProt Entry Name	ASC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pycard-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/37177>