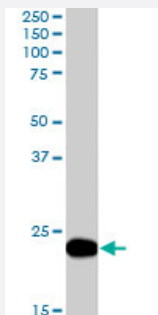


PYCARD polyclonal antibody

Catalog # PAB6098

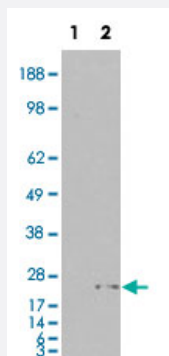
Size 100 ug

Applications



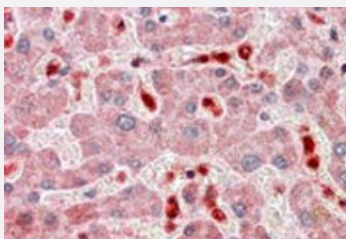
Western Blot (Cell lysate)

PYCARD polyclonal antibody (Cat # PAB6098) staining (1 ug/mL) of U-937 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



Western Blot (Transfected lysate)

HEK293 overexpressing PYCARD and probed with PYCARD polyclonal antibody (Cat # PAB6098) (mock transfection in first lane).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

PYCARD polyclonal antibody (Cat # PAB6098)(2.5 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Specification

Product Description

Goat polyclonal antibody raised against synthetic peptide of PYCARD.

Immunogen	A synthetic peptide corresponding to C-terminus of human PYCARD.
Sequence	C-RESQSYLVEDLERS
Host	Goat
Theoretical MW (kDa)	21.6, 20.0
Reactivity	Human
Specificity	This antibody is expected to recognize all three reported human isoforms according to NP_037390.2, NP_660183.1 and NP_660184.1.
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (2-4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

PYCARD polyclonal antibody (Cat # PAB6098) staining (1 ug/mL) of U-937 lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

- Western Blot (Transfected lysate)

HEK293 overexpressing PYCARD and probed with PYCARD polyclonal antibody (Cat # PAB6098) (mock transfection in first lane).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

PYCARD polyclonal antibody (Cat # PAB6098)(2.5 ug/mL) staining of paraffin embedded human liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PYCARD

Entrez GeneID [29108](#)

Protein Accession# [NP_037390.2;NP_660183.1;NP_660184.1](#)

Gene Name PYCARD

Gene Alias ASC, CARD5, MGC10332, TMS, TMS-1, TMS1

Gene Description PYD and CARD domain containing

Omim ID [606838](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations apoptosis-associated speck-like protein containing a CARD|caspase recruitment domain protein 5|target of methylation-induced silencing-1

Publication Reference

- [Hepatic NAD⁺ deficiency as a therapeutic target for NAFLD in aging.](#)

Zhou CC, Yang X, Hua X, Liu J, Fan MB, Li GQ, Song J, Xu TY, Li ZY, Guan YF, Wang P, Miao CY.
British Journal of Pharmacology 2016 Aug; 173(15):2352.

Application: WB-Ti, Mouse, Liver

- [ASC is a Bax adaptor and regulates the p53-Bax mitochondrial apoptosis pathway.](#)

Ohtsuka T, Ryu H, Minamishima YA, Macip S, Sagara J, Nakayama KI, Aaronson SA, Lee SW.
Nature Cell Biology 2004 Feb; 6(2):121.

Application: WB, Human, HCT-116, MCF-7, U2OS cells

Disease

- [Arthritis](#)
- [Genetic Predisposition to Disease](#)