

PYDC1 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13124C

Specification

PYDC1 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O8WXC3
Other Accession	NP_690865.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	10107
Antigen Region	13-42

PYDC1 Antibody (Center) - Additional Information

Gene ID 260434

Other Names

Pyrin domain-containing protein 1, PAAD-only protein 1, Pyrin-only protein 1, PYDC1, ASC2, ASCI, POP1, PYC1

Target/Specificity

This PYDC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-42 amino acids from the Central region of human PYDC1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PYDC1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PYDC1 Antibody (Center) - Protein Information

Name PYDC1 ([HGNC:30261](#))

Function Associates with PYCARD/ASC and modulates its ability to collaborate with MEFV/pyrin and NLRP3/cryopyrin in NF-kappa-B and pro-caspase-1 activation. Suppresses kinase activity of NF-kappa-B inhibitor kinase (IKK) complex, expression of NF-kappa-B inducible genes and inhibits NF-kappa-B activation by cytokines and LPS.

Cellular Location

Cytoplasm. Note=Recruited to specks formed by PYCARD within the cytoplasm

Tissue Location

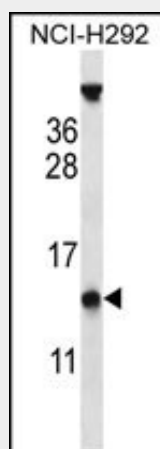
Predominantly expressed in monocytes, macrophages and granulocytes.

PYDC1 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PYDC1 Antibody (Center) - Images



PYDC1 Antibody (Center) (Cat. #AP13124c) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PYDC1 antibody detected the PYDC1 protein (arrow).

PYDC1 Antibody (Center) - Background

PYDC1 associates with apoptosis-associated specklike protein containing a CARD domain (ASC) and modulates its ability to collaborate with pyrin and cryopyrin in NF-kappa-B and pro-caspase-1 activation. Suppresses kinase activity of NF-kappa-B inhibitor kinase (IKK) complex, expression of NF-kappa-B inducible genes and inhibits NF-kappa-B activation by cytokines and LPS.

PYDC1 Antibody (Center) - References

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Natarajan, A., et al. J. Biol. Chem. 281(42):31863-31875(2006)

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Stehlik, C., et al. Biochem. J. 373 (PT 1), 101-113 (2003) :
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