

PYDC1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP13124c**Specification**

PYDC1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8WXC3](#)**PYDC1 Antibody (Center) Blocking Peptide - 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

The synthetic peptide sequence used to generate the antibody AP13124c was selected from the Center region of PYDC1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PYDC1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PYDC1 Antibody (Center) Blocking Peptide - Images

PYDC1 Antibody (Center) Blocking Peptide - 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) Blocking Peptide - References

Son, Y.L., et al. Biochem. J. 410(2):319-330(2008)Natarajan, A., et al. J. Biol. Chem. 281(42):31863-31875(2006)Espejo, F., et al. Biochem. Biophys. Res. Commun. 340(3):860-864(2006)Stehlik, C., et al. Biochem. J. 373 (PT 1), 101-113 (2003) :Pawlowski, K., et al. Trends Biochem. Sci. 26(2):85-87(2001)