abcam

Product datasheet

Anti-Pyrin (phospho S241) antibody [EPR19570] ab200420

Recombinant RabMAb

6 References 2 Images

Overview

Product name	Anti-Pyrin (phospho S241) antibody [EPR19570]
Description	Rabbit monoclonal [EPR19570] to Pyrin (phospho S241)
Host species	Rabbit
Tested applications	**Suitable for:** WB, Dot blot
Species reactivity	**Reacts with:** Mouse
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Cell lysate of DC2.4 expressing Pyrin.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19570
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab200420 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 110 kDa (predicted molecular weight: 86 kDa).
Dot blot		1/1000.

Target

Function Probably controls the inflammatory response in myelomonocytic cells at the level of the cytoskeleton organization.

Tissue specificity Expressed in peripheral blood leukocytes, particularly in mature granulocytes and to a lesser extent in monocytes but not in lymphocytes. Detected in spleen, lung and muscle, probably as a result of leukocyte infiltration in these tissues. Not expressed in thymus, prostate, testis, ovary, small intestine, colon, heart, brain, placenta, liver, kidney, pancreas. Expression detected in several myeloid leukemic, colon cancer, and prostate cancer cell lines.

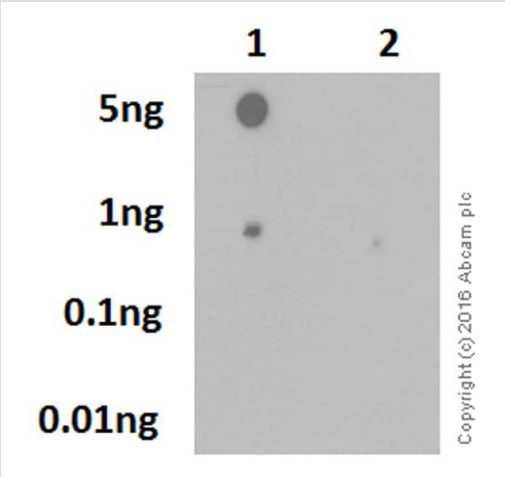
Involvement in disease Defects in MEFV are the cause of familial Mediterranean fever autosomal recessive (ARFMF) [MIM:249100]. ARFMF is an inherited disorder characterized by recurrent episodic fever, serosal inflammation and pain in the abdomen, chest or joints. ARFMF is frequently complicated by amyloidosis, which leads to renal failure and can be prophylactically treated with colchicine. ARFMF primarily affects ancestral ethnic groups living around the Mediterranean basin: North African Jews, Armenians, Arabs and Turks. The disease is also distributed in other populations including Greeks, Cypriots, Italians and Spanish, although at a lower prevalence.
Defects in MEFV are the cause of familial Mediterranean fever autosomal dominant (ADFMF) [MIM:134610]. ADFMF is characterized by periodic fever, serosal inflammation and pain in the abdomen, chest or joints as seen also in the autosomal recessive form of the disease. It is associated with renal amyloidosis and characterized by colchicine unresponsiveness.

Sequence similarities Contains 1 B box-type zinc finger.
Contains 1 B30.2/SPRY domain.
Contains 1 DAPIN domain.

Developmental stage First detected in bone marrow promyelocytes. Expression increases throughout myelocyte differentiation and peaks in the mature myelomonocytic cells.

Cellular localization Nucleus and Cytoplasm > cytoskeleton. Associated with microtubules and with the filamentous actin of perinuclear filaments and peripheral lamellar ruffles.

Images



Dot Blot - Anti-Pyrin (phospho S241) antibody [EPR19570] (ab200420)

Dot blot analysis of Pyrin (phospho S241) labeled with ab200420 at 1/1000 dilution.

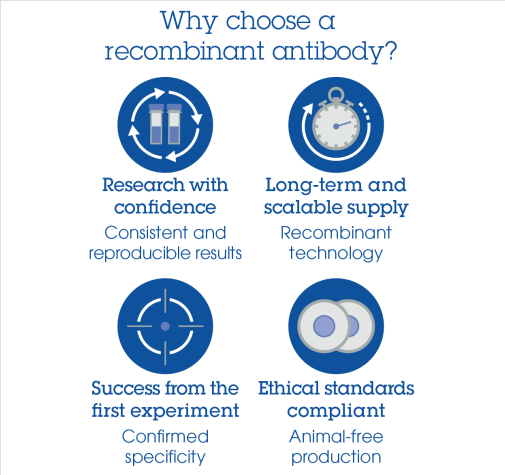
Lane 1: Pyrin (phospho S241) phospho peptide;

Lane 2: Pyrin Non-phospho peptide.

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution was used as secondary antibody.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 3 minutes.



Anti-Pyrin (phospho S241) antibody [EPR19570] (ab200420)

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