

## Product datasheet

# Anti-Pyrin (phospho S205) antibody [EPR19567] ab201784

Recombinant RabMAb

[4 References](#) [2 Images](#)

### Overview

<b>Product name</b>	Anti-Pyrin (phospho S205) antibody [EPR19567]
<b>Description</b>	Rabbit monoclonal [EPR19567] to Pyrin (phospho S205)
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: DC2.4 whole cell lysate expressing Pyrin (MEFV).
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)</p>
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR19567
<b>Isotype</b>	IgG

## Applications

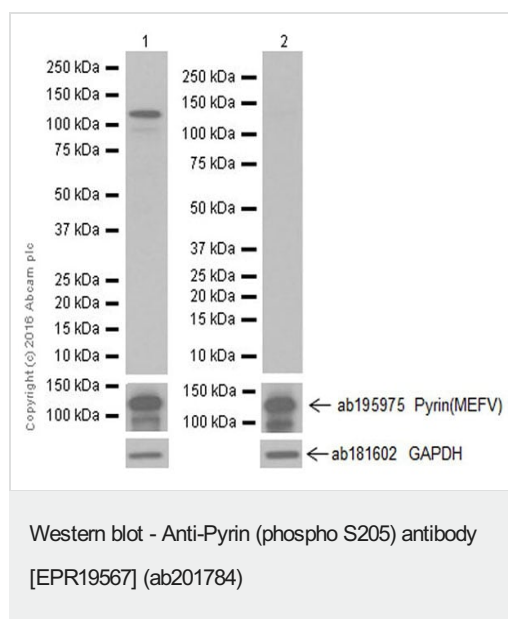
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab201784 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

## 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



**All lanes :** Anti-Pyrin (phospho S205) antibody [EPR19567]  
 (ab201784) at 1/1000 dilution

**Lane 1 :** Cell lysate of DC2.4 (Mouse immature dendritic cell line)  
 expressing mPyrin (MEFV)

**Lane 2 :** Cell lysate of DC2.4 (Mouse immature dendritic cell line)  
 expressing mPyrin (MEFV) and mPyrin (MEFV) is  
 dephosphorylated by stimulation with TcdA

Lysates/proteins at 10 µg per lane.

## Secondary

**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000  
 dilution

**Predicted band size:** 86 kDa

**Observed band size:** 110 kDa

**Exposure time:** 1 second

Blocking/Dilution buffer: 5% NFDm/TBST.

The lysates were kindly provided by our collaborator Dr Feng  
 Shao's lab, NIBS.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Pyrin (phospho S205) antibody [EPR19567]  
(ab201784)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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