

HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] ab215338

Recombinant RabMAb

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Overview

Product name	HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)]
Description	HRP Rabbit monoclonal [EPR1899(2)] to JAK1 (phospho Y1034 + Y1035)
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: Dot blot, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	<p>pH: 7.40</p> <p>Preservative: 0.1% Proclin 300 Solution</p> <p>Constituents: 1% BSA, 30% Glycerol (glycerin, glycerine), PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR1899(2)
Isotype	IgG

Applications

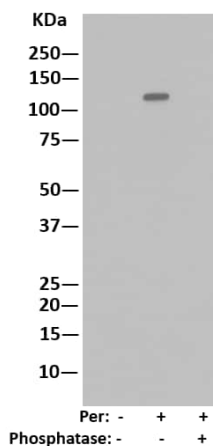
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab215338 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Dot blot		1/1000.
WB		1/1000. Detects a band of approximately 133 kDa (predicted molecular weight: 133 kDa).

Target

Function	Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway. Kinase partner for the interleukin (IL)-2 receptor.
Tissue specificity	Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue.
Sequence similarities	Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily. Contains 1 FERM domain. Contains 1 protein kinase domain. Contains 1 SH2 domain.
Domain	Possesses two phosphotransferase domains. The second one probably contains the catalytic domain (By similarity), while the presence of slight differences suggest a different role for domain 1. The FERM domain mediates interaction with JAKMIP1.
Cellular localization	Endomembrane system. Wholly intracellular, possibly membrane associated.

Images



Western blot - HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] (ab215338)

All lanes : HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] (ab215338) at 1/1000 dilution

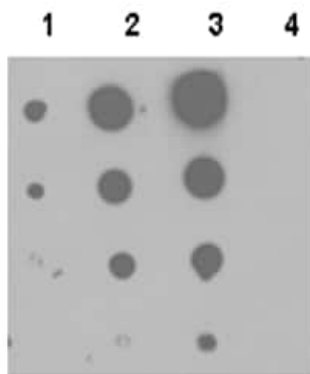
Lane 1 : Untreated Ramos cells

Lanes 2-3 : Ramos cells treated with pervanadate at 1mM for 30min

Predicted band size: 133 kDa

Observed band size: 133 kDa

Exposure time: 5 seconds



Dot Blot - HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] (ab215338)

Dot blot analysis of JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] (HRP) (ab215338) at 1/1000 dilution.

Lane 1: JAK1 (phospho Y1034) phospho peptide.

Lane 2: JAK1 (phospho Y1035) phospho peptide.

Lane 3: JAK1 (phospho Y1034 + Y1035) phospho peptide.

Lane 4: JAK1 non phospho peptide.

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Exposure time: 3 minutes.

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

HRP Anti-JAK1 (phospho Y1034 + Y1035) antibody [EPR1899(2)] (ab215338)

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