

## Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody Catalog # ABO16645

### Specification

---

#### Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	<a href="#">P23458</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

#### Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody - Additional Information

Gene ID 3716

#### Other Names

Tyrosine-protein kinase JAK1, 2.7.10.2, Janus kinase 1, JAK-1, JAK1, JAK1A, JAK1B

#### Application Details

WB 1:500-1:2000<br>IHC 1:50-1:100

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Phospho-JAK1 (Y1034 + Y1035)

#### Purification

Affinity-chromatography

Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody - Protein Information

Name JAK1

Synonyms JAK1A, JAK1B

**Function**

Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway (PubMed:<a href="http://www.uniprot.org/citations/16239216" target="\_blank">16239216</a>, PubMed:<a href="http://www.uniprot.org/citations/28111307" target="\_blank">28111307</a>, PubMed:<a href="http://www.uniprot.org/citations/32750333" target="\_blank">32750333</a>, PubMed:<a href="http://www.uniprot.org/citations/7615558" target="\_blank">7615558</a>, PubMed:<a href="http://www.uniprot.org/citations/8232552" target="\_blank">8232552</a>). Kinase partner for the interleukin (IL)-2 receptor (PubMed:<a href="http://www.uniprot.org/citations/11909529" target="\_blank">11909529</a>) as well as interleukin (IL)-10 receptor (PubMed:<a href="http://www.uniprot.org/citations/12133952" target="\_blank">12133952</a>). Kinase partner for the type I interferon receptor IFNAR2 (PubMed:<a href="http://www.uniprot.org/citations/16239216" target="\_blank">16239216</a>, PubMed:<a href="http://www.uniprot.org/citations/28111307" target="\_blank">28111307</a>, PubMed:<a href="http://www.uniprot.org/citations/32750333" target="\_blank">32750333</a>, PubMed:<a href="http://www.uniprot.org/citations/7615558" target="\_blank">7615558</a>, PubMed:<a href="http://www.uniprot.org/citations/8232552" target="\_blank">8232552</a>). In response to interferon-binding to IFNAR1-IFNAR2 heterodimer, phosphorylates and activates its binding partner IFNAR2, creating docking sites for STAT proteins (PubMed:<a href="http://www.uniprot.org/citations/7759950" target="\_blank">7759950</a>). Directly phosphorylates STAT proteins but also activates STAT signaling through the transactivation of other JAK kinases associated with signaling receptors (PubMed:<a href="http://www.uniprot.org/citations/16239216" target="\_blank">16239216</a>, PubMed:<a href="http://www.uniprot.org/citations/32750333" target="\_blank">32750333</a>, PubMed:<a href="http://www.uniprot.org/citations/8232552" target="\_blank">8232552</a>).

**Cellular Location**

Endomembrane system; Peripheral membrane protein. Note=Wholly intracellular, possibly membrane associated

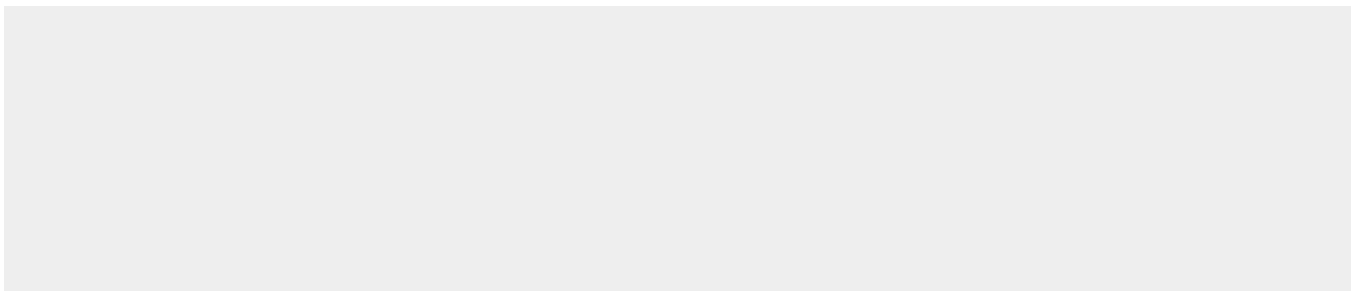
**Tissue Location**

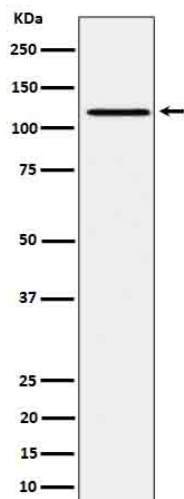
Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue

**Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody - 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](#)

**Anti-Phospho-JAK1 (Y1034 + Y1035) Rabbit Monoclonal Antibody - Images**



Western blot analysis of Phospho-JAK1 (Y1034 + Y1035) expression in Ramos treated with pervanadate cell lysate.