

**Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb**  
Catalog # AP78918**Specification****Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">P23458</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	133277

**Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb - Additional Information**

Gene ID 3716

**Other Names**

JAK1

**Dilution**

WB~~1/500-1/1000

**Format**

Liquid

**Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb - 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: [16239216](http://www.uniprot.org/citations/16239216)), PubMed: [28111307](http://www.uniprot.org/citations/28111307), PubMed: [32750333](http://www.uniprot.org/citations/32750333), PubMed: [7615558](http://www.uniprot.org/citations/7615558), PubMed: [8232552](http://www.uniprot.org/citations/8232552)). Kinase partner for the interleukin (IL)-2 receptor (PubMed: [11909529](http://www.uniprot.org/citations/11909529)) as well as interleukin (IL)-10 receptor (PubMed: [12133952](http://www.uniprot.org/citations/12133952)). Kinase partner for the type I interferon receptor IFNAR2 (PubMed: [16239216](http://www.uniprot.org/citations/16239216), PubMed: [28111307](http://www.uniprot.org/citations/28111307), PubMed: [32750333](http://www.uniprot.org/citations/32750333), PubMed: [7615558](http://www.uniprot.org/citations/7615558), PubMed: [8232552](http://www.uniprot.org/citations/8232552)). 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

### Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb - 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](#)

### Phospho-JAK1 (Tyr1034/Tyr1035) Rabbit mAb - Images

