

**Anti-JAK1 Rabbit Monoclonal Antibody**  
**Catalog # ABO15232****Specification**

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**Anti-JAK1 Rabbit Monoclonal Antibody - Product Information**

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

**Description**

Anti-JAK1 Rabbit Monoclonal Antibody . Tested in WB application. This antibody reacts with Human, Mouse, Rat.

**Anti-JAK1 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

**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 JAK1

**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-JAK1 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

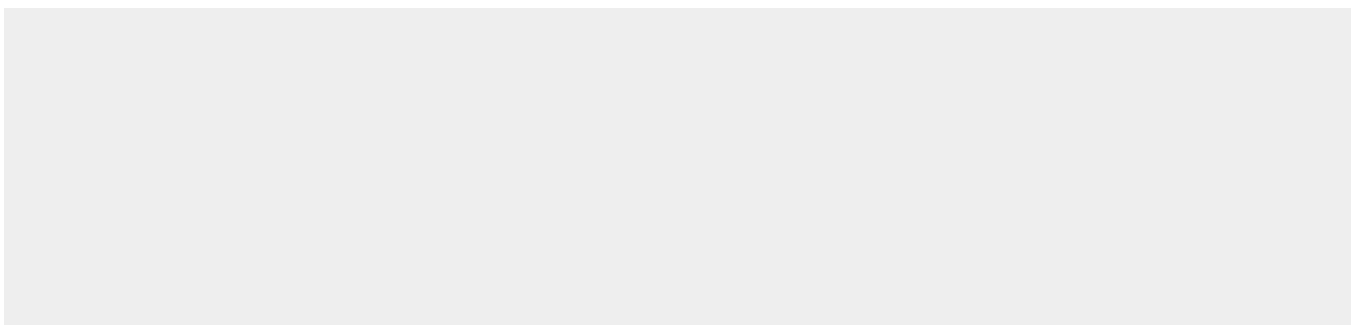
Expressed at higher levels in primary colon tumors than in normal colon tissue. The expression level in metastatic colon tumors is comparable to the expression level in normal colon tissue

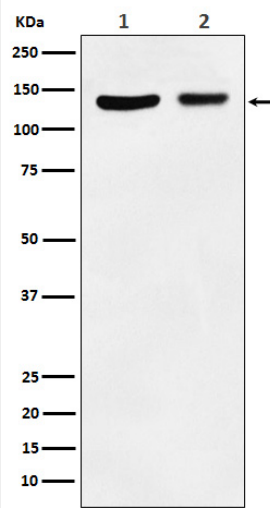
### Anti-JAK1 Rabbit Monoclonal Antibody - Protocols

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-JAK1 Rabbit Monoclonal Antibody - Images





Western blot analysis of JAK1 expression in (1) A431 cell lysate; (2) RAW264.7 cell lysate.