

# JAK1 Rabbit mAb

Catalog # AP77164

## Product Information

---

|                   |                                               |
|-------------------|-----------------------------------------------|
| Application       | WB                                            |
| Primary Accession | <a href="#">P23458</a>                        |
| Reactivity        | Rat, Human, Mouse                             |
| Host              | Rabbit                                        |
| Clonality         | Monoclonal Antibody                           |
| Isotype           | IgG                                           |
| Conjugate         | Unconjugated                                  |
| Immunogen         | A synthesized peptide derived from human JAK1 |
| Purification      | Affinity Chromatography                       |
| Calculated MW     | 133277                                        |

## Additional Information

---

|             |                                                                                                    |
|-------------|----------------------------------------------------------------------------------------------------|
| Gene ID     | 3716                                                                                               |
| Other Names | JAK1                                                                                               |
| Dilution    | WB~~1/500-1/1000                                                                                   |
| Format      | Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.           |

## Protein Information

---

|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name     | JAK1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Synonyms | JAK1A, JAK1B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Function | <p>Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway (PubMed:<a href="#">16239216</a>, PubMed:<a href="#">28111307</a>, PubMed:<a href="#">32750333</a>, PubMed:<a href="#">7615558</a>, PubMed:<a href="#">8232552</a>). Kinase partner for the interleukin (IL)-2 receptor (PubMed:<a href="#">11909529</a>) as well as interleukin (IL)-10 receptor (PubMed:<a href="#">12133952</a>). Kinase partner for the type I interferon receptor IFNAR2 (PubMed:<a href="#">16239216</a>, PubMed:<a href="#">28111307</a>, PubMed:<a href="#">32750333</a>, PubMed:<a href="#">7615558</a>, PubMed:<a href="#">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="#">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="#">16239216</a>, PubMed:<a href="#">32750333</a>,</p> |

PubMed:[8232552](#)).

### Cellular Location

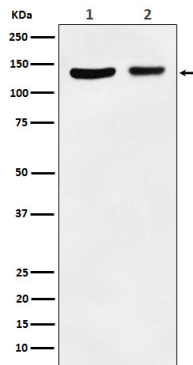
Endomembrane system; Peripheral membrane protein. Note=Wholly intracellular, possibly membrane associated

### 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

## Images

---



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.