

**Mouse Jak1 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP14149a****Specification**

---

**Mouse Jak1 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [P52332](#)**Mouse Jak1 Antibody (N-term) Blocking peptide - Additional Information****Other Names**

Tyrosine-protein kinase JAK1, Janus kinase 1, JAK-1, Jak1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP14149a was selected from the N-term region of Mouse Jak1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Mouse Jak1 Antibody (N-term) Blocking peptide - Protein Information****Name** Jak1**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 as well as interleukin (IL)-10 receptor. Kinase partner for the type I interferon receptor IFNAR2. In response to interferon- binding to IFNAR1-IFNAR2 heterodimer, phosphorylates and activates its binding partner IFNAR2, creating docking sites for STAT proteins. Directly phosphorylates STAT proteins but also activates STAT signaling through the transactivation of other JAK kinases associated with signaling receptors.

**Cellular Location**

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

**Mouse Jak1 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**Mouse Jak1 Antibody (N-term) Blocking peptide - Images**

**Mouse Jak1 Antibody (N-term) Blocking peptide - Background**

Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway.  
Kinase partner for the interleukin (IL)-2 receptor.