

Interferon gamma Receptor 1 Rabbit mAb
Catalog # AP75595**Specification**

Interferon gamma Receptor 1 Rabbit mAb - Product Information

Application	WB
Primary Accession	P15260
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	54405

Interferon gamma Receptor 1 Rabbit mAb - Additional Information**Gene ID** 3459**Other Names**
IFNGR1**Dilution**
WB~~1/500-1/1000**Format**
Liquid**Interferon gamma Receptor 1 Rabbit mAb - Protein Information****Name** IFNGR1 ([HGNC:5439](#))**Function**

Receptor subunit for interferon gamma/IFNG that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation (PubMed:20015550). Associates with transmembrane accessory factor IFNGR2 to form a functional receptor (PubMed:10986460, PubMed:2971451, PubMed:7615558, PubMed:7617032, PubMed:7673114). Upon ligand binding, the intracellular domain of IFNGR1 opens out to allow association of downstream signaling components JAK1 and JAK2. In turn, activated JAK1 phosphorylates IFNGR1 to form a docking site for STAT1. Subsequent phosphorylation of STAT1 leads to dimerization, translocation to the nucleus, and stimulation of target gene transcription (PubMed:28883123). STAT3 can also be activated in a similar manner although activation seems weaker. IFNGR1 intracellular domain phosphorylation also provides a docking site for SOCS1 that regulates the JAK-STAT pathway by competing with STAT1 binding to IFNGR1 (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Interferon gamma Receptor 1 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](#)

Interferon gamma Receptor 1 Rabbit mAb - Images