

**IFNGR1 (aa181-193) Antibody (internal region)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF3985a****Specification**

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**IFNGR1 (aa181-193) Antibody (internal region) - Product Information**

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Application       | WB, E                                              |
| Primary Accession | <a href="#">P15260</a>                             |
| Other Accession   | <a href="#">NP_000407.1</a> , <a href="#">3459</a> |
| Reactivity        | Human                                              |
| Host              | Goat                                               |
| Clonality         | Polyclonal                                         |
| Concentration     | 0.5 mg/ml                                          |
| Isotype           | IgG                                                |
| Calculated MW     | 54405                                              |

**IFNGR1 (aa181-193) Antibody (internal region) - Additional Information****Gene ID** 3459**Other Names**

Interferon gamma receptor 1, IFN-gamma receptor 1, IFN-gamma-R1, CDw119, CD119, IFNGR1

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

IFNGR1 (aa181-193) Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

**IFNGR1 (aa181-193) Antibody (internal region) - Protein Information****Name** IFNGR1 ([HGNC:5439](#))**Function**

Receptor subunit for interferon gamma/INFG that plays crucial roles in antimicrobial, antiviral, and antitumor responses by activating effector immune cells and enhancing antigen presentation (PubMed:&lt;a href="http://www.uniprot.org/citations/20015550" target="\_blank"&gt;20015550&lt;/a&gt;). Associates with transmembrane accessory factor IFNGR2 to form a functional receptor

(PubMed:<a href="http://www.uniprot.org/citations/10986460" target="\_blank">10986460</a>, PubMed:<a href="http://www.uniprot.org/citations/2971451" target="\_blank">2971451</a>, PubMed:<a href="http://www.uniprot.org/citations/7615558" target="\_blank">7615558</a>, PubMed:<a href="http://www.uniprot.org/citations/7617032" target="\_blank">7617032</a>, PubMed:<a href="http://www.uniprot.org/citations/7673114" target="\_blank">7673114</a>). 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:<a href="http://www.uniprot.org/citations/28883123" target="\_blank">28883123</a>). 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

### IFNGR1 (aa181-193) Antibody (internal region) - 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](#)

### IFNGR1 (aa181-193) Antibody (internal region) - Images



AF3985a (0.3 µg/ml) staining of HepG2 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### IFNGR1 (aa181-193) Antibody (internal region) - References

Interferon-signaling pathway: associations with colon and rectal cancer risk and subsequent

survival. Slattery ML, Lundgreen A, Bondurant KL, Wolff RK. Carcinogenesis. 2011  
Nov;32(11):1660-7. PMID: 21859832