

Anti-IFNGR1 Antibody
Rabbit polyclonal antibody to IFNGR1
Catalog # AP61528**Specification**

Anti-IFNGR1 Antibody - Product Information

Application	WB
Primary Accession	P15260
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54405

Anti-IFNGR1 Antibody - Additional Information**Gene ID** 3459**Other Names**

Interferon gamma receptor 1; IFN-gamma receptor 1; IFN-gamma-R1; CDw119; CD119

Target/Specificity

Recognizes endogenous levels of IFNGR1 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-IFNGR1 Antibody - 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: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

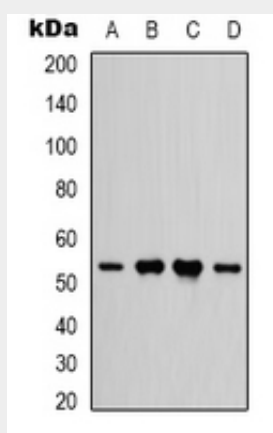
Cell membrane; Single-pass type I membrane protein

Anti-IFNGR1 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-IFNGR1 Antibody - Images



Western blot analysis of IFNGR1 expression in HEK293T (A), Hela (B), rat heart (C), rat brain (D) whole cell lysates.

Anti-IFNGR1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human IFNGR1. The exact sequence is proprietary.