

IFNGR1 Rabbit pAb
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Catalog # AP94130**Specification**

IFNGR1 Rabbit pAb - Product Information

Application	WB
Primary Accession	P15261
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52343

IFNGR1 Rabbit pAb - Additional Information**Gene ID** 15979**Other Names**

Interferon gamma receptor 1 {ECO:0000312|MGI:MGI:107655}, IFN-gamma receptor 1, IFN-gamma-R1, Interferon gamma receptor alpha-chain, CD119, Ifngr1 {ECO:0000312|MGI:MGI:107655}, Ifngr

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

IFNGR1 Rabbit pAb - Protein Information**Name** Ifngr1 {ECO:0000312|MGI:MGI:107655}**Synonyms** Ifngr**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: 20926559, PubMed: 27286456). Associates with transmembrane accessory factor IFNGR2 to form a functional receptor (PubMed: 2137461, PubMed: 2530216, PubMed: 2530582, PubMed: 2531896, PubMed: 2532365). 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 its dimerization, translocation to the nucleus, and stimulation of target gene transcription (PubMed:19889125). STAT3 can also be activated in a similar manner although activation seems weaker (PubMed:15284232). IFNGR1 intracellular domain phosphorylation also provides a docking site for SOCS1 that regulates the JAK-STAT pathway by competing with STAT1 binding to IFNGR1 (PubMed:15522878).

Cellular Location

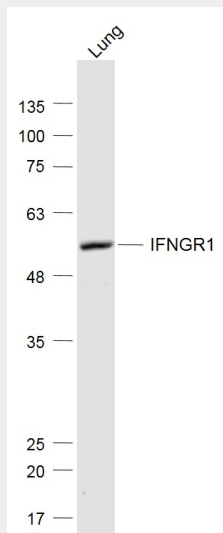
Cell membrane; Single-pass type I membrane protein

IFNGR1 Rabbit pAb - Protocols

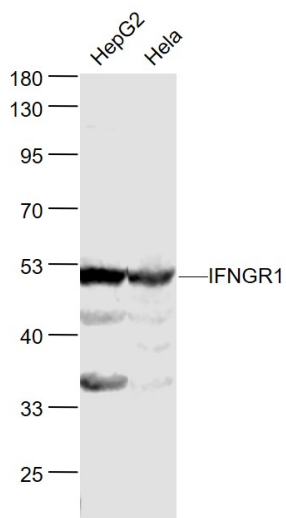
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

IFNGR1 Rabbit pAb - Images



Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti-IFNGR1 (AP94130) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD
Observed band size: 54 kD



Sample: HepG2 (Human) Cell Lysate at 30 ug HeLa (Human) Cell Lysate at 30 ug Primary: Anti-IFNGR1 (AP94130) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 50 kD

IFNGR1 Rabbit pAb - Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.