10320 Camino Santa Fe, Suite G
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IFNGR2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6995b

Specification

IFNGR2 Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P38484
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**308-337**

IFNGR2 Antibody (C-term) - Additional Information

Gene ID 3460

Other Names
Interferon gamma receptor 2, IFN-gamma receptor 2, IFN-gamma-R2, Interferon gamma receptor accessory factor 1, AF-1, Interferon gamma transducer 1, IFNGR2, IFNGT1

Target/Specificity
This IFNGR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 308-337 amino acids from the C-terminal region of human IFNGR2.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
IFNGR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

IFNGR2 Antibody (C-term) - Protein Information

Name IFNGR2 (HGNC:5440)

Function Associates with IFNGR1 to form a receptor for the cytokine interferon gamma (IFNG)

(PubMed:8124716, PubMed:7673114, PubMed:7615558). Ligand binding stimulates activation of the JAK/STAT signaling pathway (PubMed:8124716, PubMed:7673114, PubMed:15356148). Required for signal transduction in contrast to other receptor subunit responsible for ligand binding (PubMed:7673114).

Cellular Location
Cell membrane; Single-pass type I membrane protein. Cytoplasmic vesicle membrane; Single-pass type I membrane protein. Golgi apparatus membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein. Cytoplasm. Note=Has low cell surface expression and high cytoplasmic expression in T cells. The bias towards cytoplasmic expression may be due to ligand-independent receptor internalization and recycling.

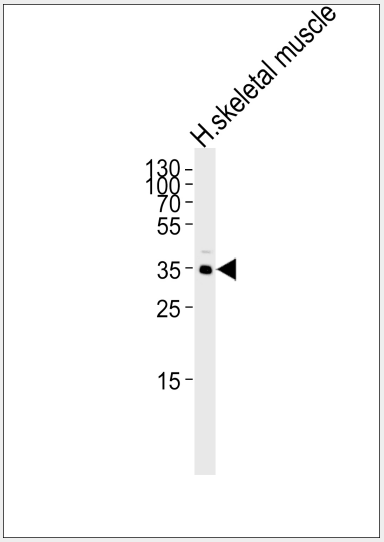
Tissue Location
Expressed in T-cells (at protein level).

IFNGR2 Antibody (C-term) - Protocols

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

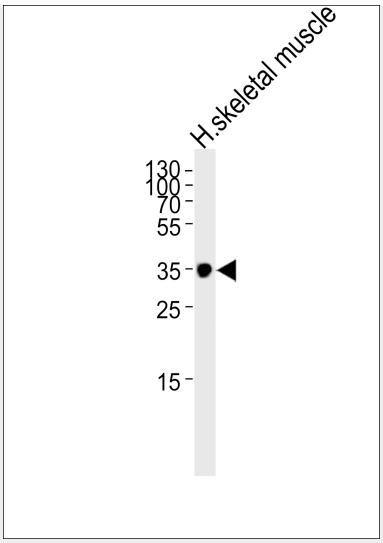
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

IFNGR2 Antibody (C-term) - Images

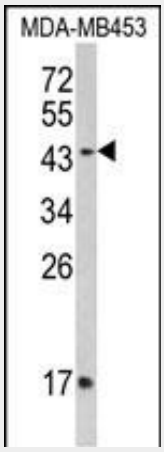


Western blot analysis of lysate from human skeletal muscle tissue lysate, using IFNGR2 Antibody (C-term)(Cat. #AP6995b). AP6995b was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug.

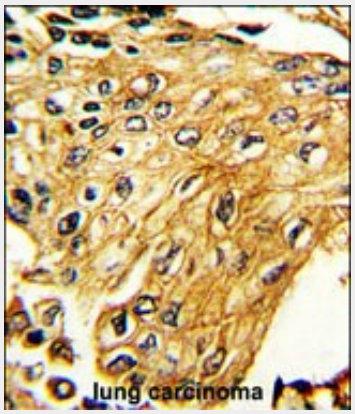
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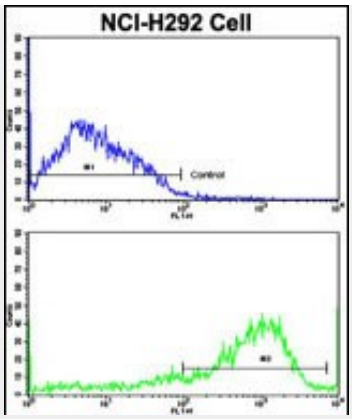


Western blot analysis of IFNGR2 Antibody (C-term) (Cat. #AP6995b) in MDA-MB453 cell line lysates (35ug/lane). IFNGR2 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human lung carcinoma reacted with IFNGR2 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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Flow cytometric analysis of NCI-H292 cells using IFNGR2 Antibody (C-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IFNGR2 Antibody (C-term) - Background

IFNGR2 is the non-ligand-binding beta chain of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD), also known as familial disseminated atypical mycobacterial infection.

IFNGR2 Antibody (C-term) - References

Kotenko,S.V., et.al., J. Biol. Chem. 270 (36), 20915-20921 (1995)