



## Rabbit Anti-phospho-IFNGR1 (Tyr457) antibody

SL15523R

<b>Product Name:</b>	phospho-IFNGR1 (Tyr457)
<b>Chinese Name:</b>	磷酸化Interferongamma受体1蛋白抗体
<b>Alias:</b>	IFNGR1 (phospho Y457);p-IFNGR1 (phospho Y457); Antiviral Protein Type II; Antiviral protein, type 2; AVP type II; AVP, type 2; CD 119; CD119; CDw119; CD119 antigen; CDw119; FLJ45734; IFN gamma R alpha; IFN gamma R; IFN gamma R1; IFN-gamma receptor 1; IFN-gamma-R1; IFNG R1; IFNGR 1; IFNGR; IFNGR1; Immune interferon receptor 1; Immune interferon receptor for; INGR1_HUMAN; Interferon gamma receptor 1; Interferon gamma receptor alpha chain; Interferon gamma receptor alpha chain precursor.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	53kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human IFNGR1 around the phosphorylation site of Tyr457:EF(p-S)-NH2
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.

**PubMed:**[PubMed](#)

This gene (IFNGR1) encodes the ligand-binding chain(alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to Helicobacter pylori infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection. [provided by RefSeq].

**Function:**

Receptor for interferon gamma. Two receptors bind one interferon gamma dimer.

**Subunit:**

Monomer.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**Post-translational modifications:**

Phosphorylated at Ser/Thr residues.

**DISEASE:**

Mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]: This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as Bacillus Calmette-Guerin (BCG) vaccine and environmental non-tuberculous mycobacteria, and by the more virulent Mycobacterium tuberculosis. Other microorganisms rarely cause severe clinical disease in individuals with susceptibility to mycobacterial infections, with the exception of Salmonella which infects less than 50% of these individuals. The pathogenic mechanism underlying MSMD is the impairment of interferon-gamma mediated immunity, whose severity determines the clinical outcome. Some patients die of overwhelming mycobacterial disease with lepromatous-like lesions in early childhood, whereas others develop, later in life, disseminated but curable infections with tuberculoid granulomas. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance. Note=The disease is caused by mutations affecting the gene represented in this entry.

**Similarity:**

Belongs to the type II cytokine receptor family.

Contains 2 fibronectin type-III domains.

Contains 2 Ig-like C2-type (immunoglobulin-like) domains.

**SWISS:**

P15260

**Gene ID:**

3459

**Product Detail:**

**Database links:**

[Entrez Gene: 3459](#) Human

[Entrez Gene: 15979](#) Mouse

[Omim: 107470](#) Human

[SwissProt: P15260](#) Human

[SwissProt: P15261](#) Mouse

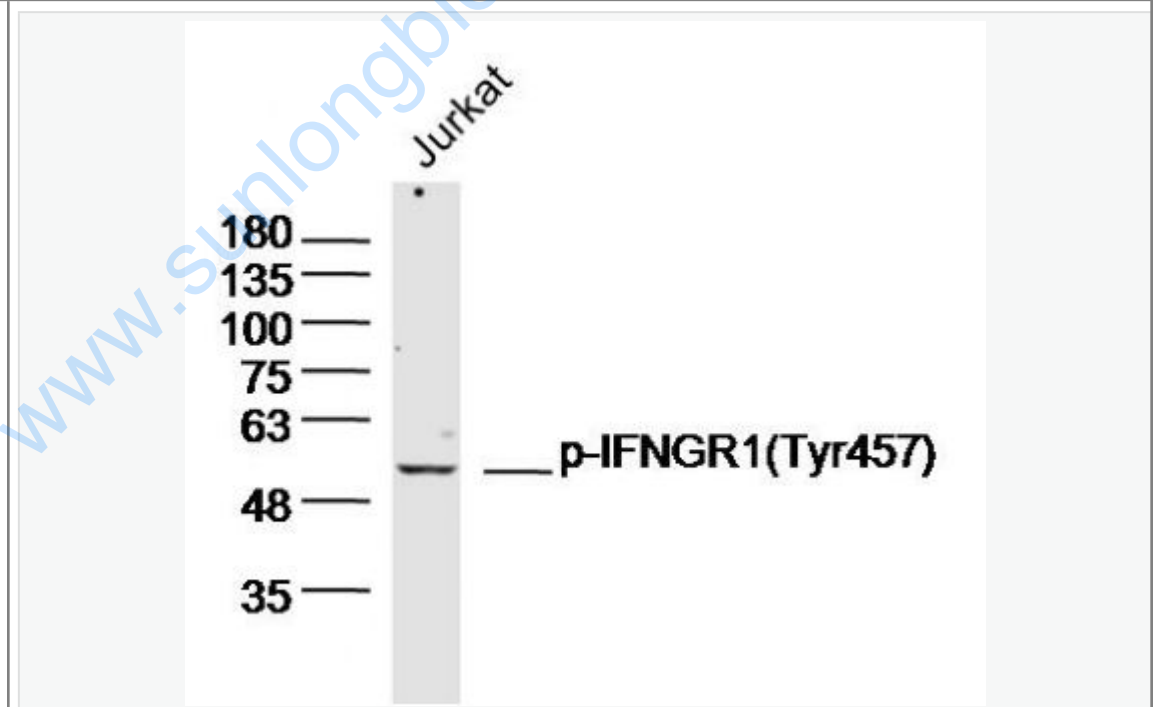
[Unigene: 520414](#) Human

[Unigene: 549](#) Mouse

**Important Note:**

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

**Picture:**



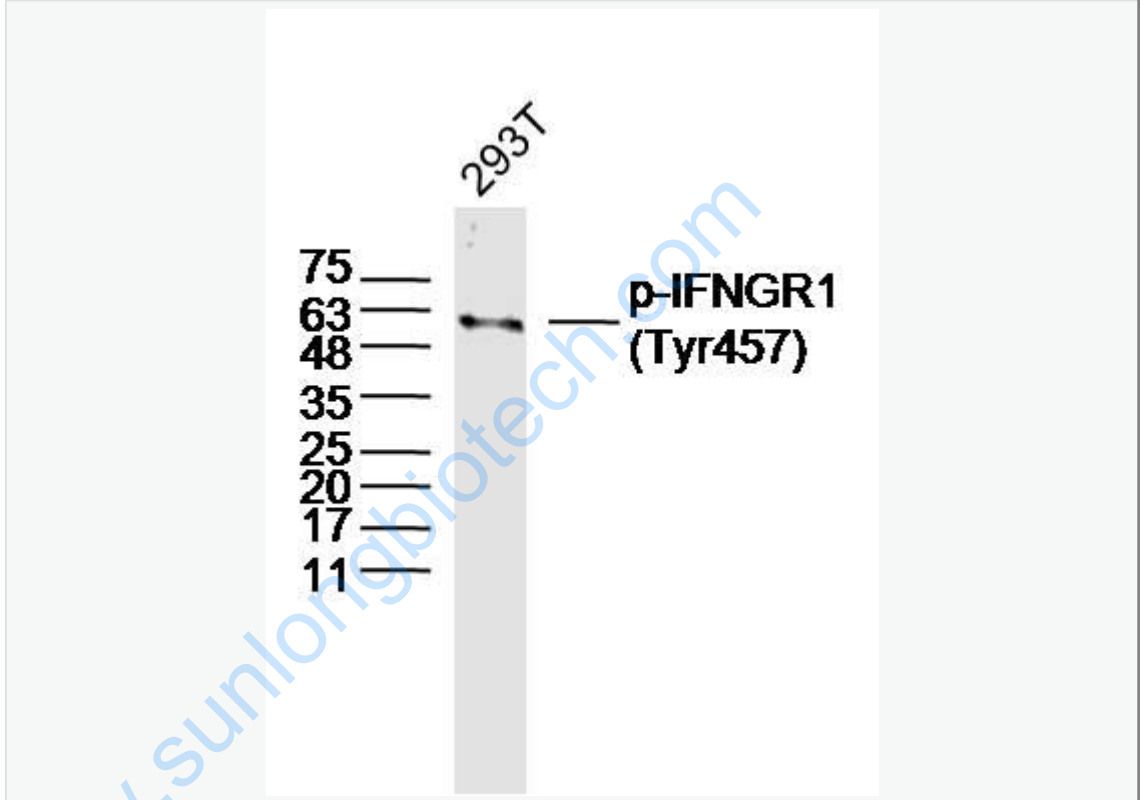
Sample: Jurkat (Human) Cell Lysate at 40 ug

Primary: Anti-p-IFNGR1(SL15523R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 53kD

Observed band size: 53kD



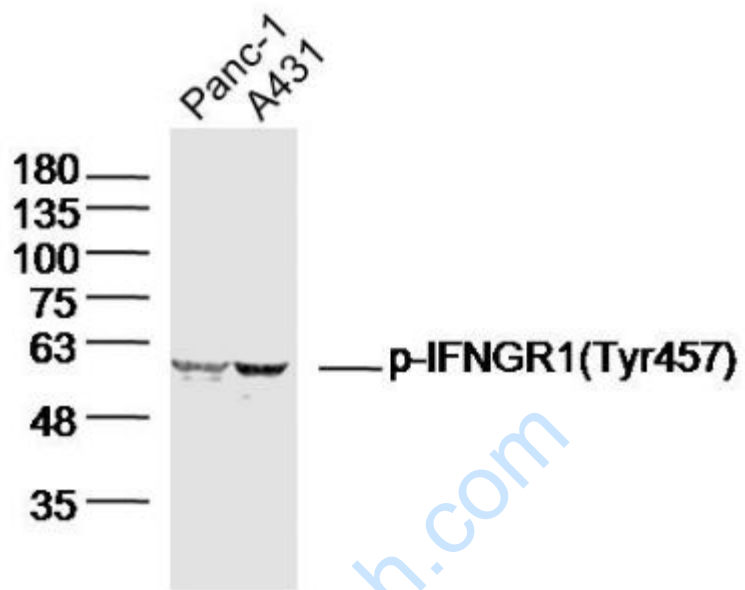
Sample: 293T Cell (Human) Lysate at 40 ug

Primary: Anti- phospho-IFNGR1 (Tyr457) (SL15523R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 53 kD

Observed band size: 53 kD



Sample:

Panc-1(Human) Cell Lysate at 40 ug

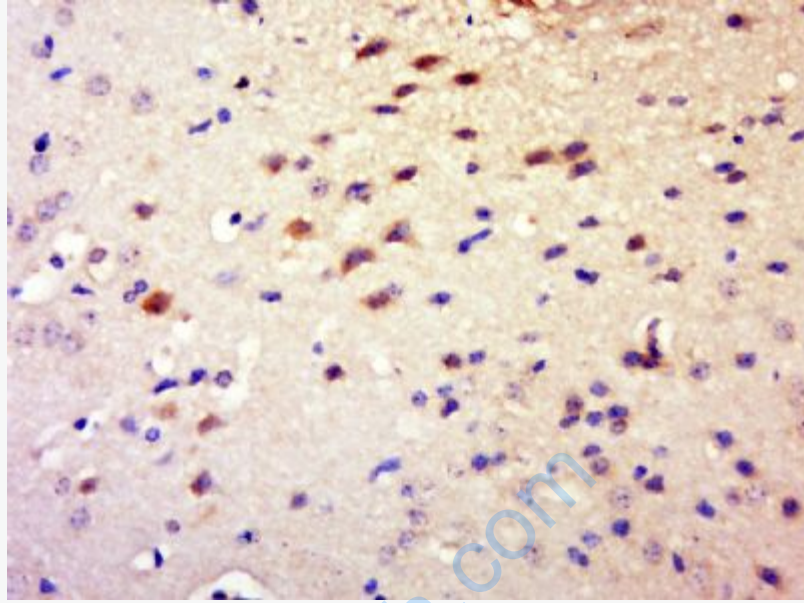
A431 (Human) Cell Lysate at 40 ug

Primary: Anti-p-IFNGR1(SL15523R)at 1/300 dilution

Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution

Predicted band size: 53kD

Observed band size: 53kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-IFNGR1) Polyclonal Antibody, Unconjugated (SL15523R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.