SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-phospho-IFNGR1 (Tyr457)antibody

Catalog Number: SL15523R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	phospho-IFNGR1 (Tyr457)
Immunogen:	KLH conjugated synthesised phosphopeptide derived from human IFNGR1 around the phosphorylation site of Tyr457: EF(p-S)-NH2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse
Predicted MW.:	53kDa
Subcellular Location:	The cell membrane
Background:	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.

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

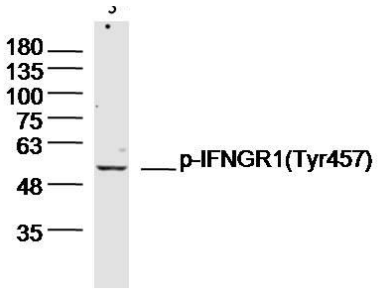
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	DISEASE: Mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]: This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as Bacillus Calmette-Guerin (BCG) vaccine and environmental 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. **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

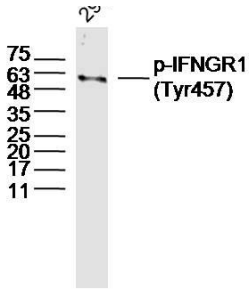
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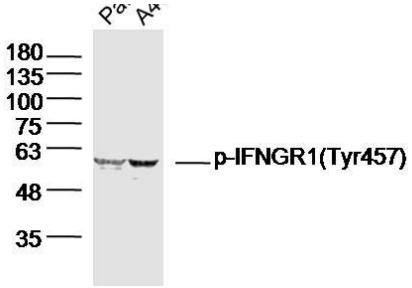
[VALIDATION IMAGES]



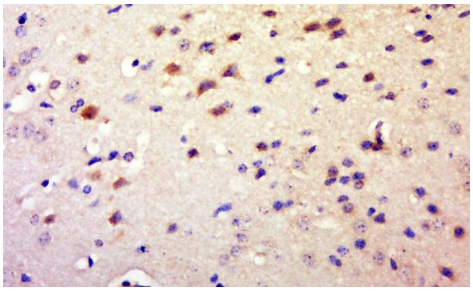
Sample:Jurkat (Human)Cell Lysate at 40 ug
Primary: Anti-p-IFNGR1(SL15523R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-RabbitIgG at 1/20000 dilution
Predicted band size: 53kD
Observed band size: 53kD



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.

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