

Product Name: Interferon Receptor alpha (15I18) Rabbit Monoclonal Antibody
Catalog #: AMRe12685

Summary

Production Name	Interferon Receptor alpha (15I18) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	IFNAR1
Alternative Names	AVP; IFN alpha REC; IFNAR1; IFNBR; IFRC; interferon (alpha beta and omega) receptor 1;
Gene ID	3454.0
SwissProt ID	P17181.

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	64kDa

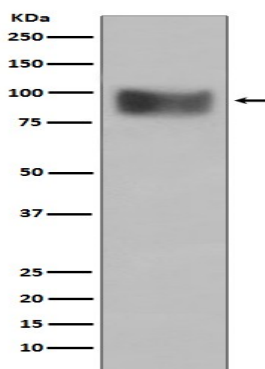
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Background

Interferon Receptor alpha (IFN- α R1) is a class II cytokine receptor which belongs to type I human interferons (IFNs) family. IFNs plays a role in antiviral, antiproliferative, immunomodulatory, antitumor, and antiparasitic activities by inducing transcription of IFN-stimulated genes (ISGs) through activation of the Jak-STAT pathway. Component of the receptor for type I interferons, including interferons alpha, IFNB1 and IFNW1 (PubMed:2153461, PubMed:7665574, PubMed:10049744, PubMed:14532120, PubMed:15337770, PubMed:21854986). Functions in general as heterodimer with IFNAR2 (PubMed:7665574, PubMed:10049744, PubMed:21854986). Type I interferon binding activates the JAK-STAT signaling cascade, and triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and the IFNR alpha- and beta-subunits themselves (PubMed:7665574, PubMed:21854986, PubMed:32972995). Can form an active IFNB1 receptor by itself and activate a signaling cascade that does not involve activation of the JAK-STAT pathway (By similarity).

Research Area

Image Data



Western blot analysis of Interferon Receptor alpha expression in SH-SY5Y cell lysate.



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Note

For research use only.