

ARG42968 anti-IFNAR2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes IFNAR2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	IFNAR2
Species	Human
Immunogen	Recombinant protein corresponding to D33-Q466 of Human IFNAR2.
Conjugation	Un-conjugated
Alternate Names	IFNABR; IFNARB; IFN-R; IFN-alpha/beta receptor 2; IFN-R-2; Type I interferon receptor 2; Interferon alpha binding protein; IFN-alpha binding protein; IFN-alpha-REC; Interferon alpha/beta receptor 2

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 65 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

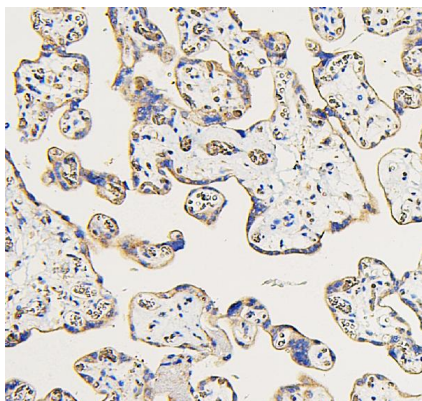
before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IFNAR2
Gene Full Name	interferon (alpha, beta and omega) receptor 2
Background	The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. Multiple transcript variants encoding at least two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Associates with IFNAR1 to form the type I interferon receptor. Receptor for interferons alpha and beta. Involved in IFN-mediated STAT1, STAT2 and STAT3 activation (PubMed:26424569). Isoform 1 and isoform 2 are directly involved in signal transduction due to their association with the TYR kinase, JAK1 (PubMed:8181059, PubMed:7665574, PubMed:7759950). Isoform 3 is a potent inhibitor of type I IFN receptor activity (PubMed:7759950). [UniProt]
Calculated Mw	58 kDa
PTM	Phosphorylated on tyrosine residues upon interferon binding. Phosphorylation at Tyr-337 or Tyr-512 are sufficient to mediate interferon dependent activation of STAT1, STAT2 and STAT3 leading to antiproliferative effects on many different cell types. Glycosylated. [UniProt]
Cellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein. Isoform 2: Cell membrane; Single-pass type I membrane protein. Isoform 3: Secreted. [UniProt]

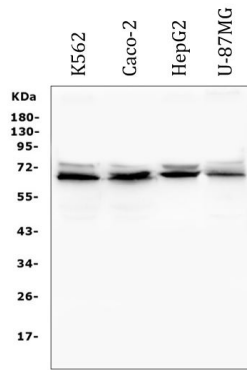
Images



ARG42968 anti-IFNAR2 antibody IHC-P image

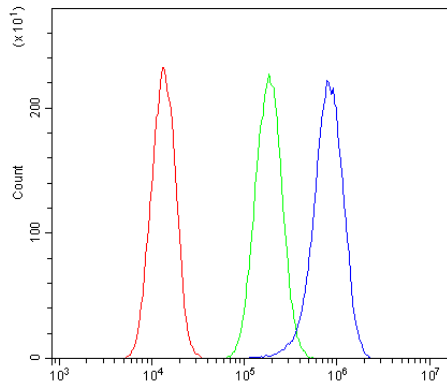
Immunohistochemistry: Paraffin-embedded Human placenta tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42968 anti-IFNAR2 antibody at 1 µg/ml dilution, overnight at 4°C.

ARG42968 anti-IFNAR2 antibody WB image



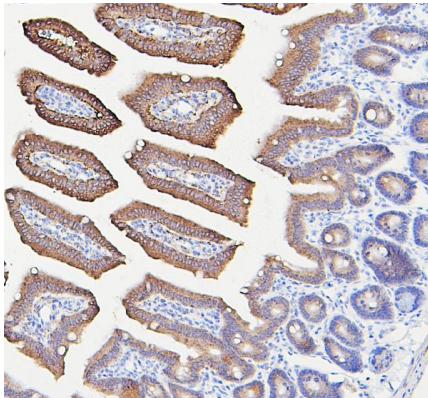
Western blot: 50 µg of sample under reducing conditions. K562, Caco-2, HepG2 and U-87MG whole cell lysates stained with ARG42968 anti-IFNAR2 antibody at 0.5 µg/ml dilution, overnight at 4°C.

ARG42968 anti-IFNAR2 antibody FACS image



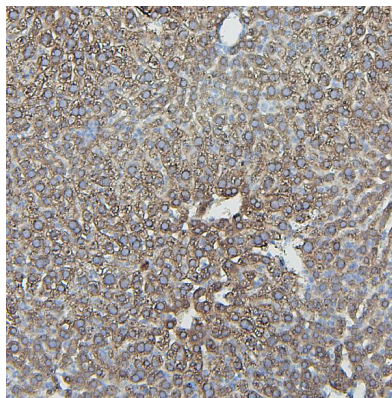
Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG42968 anti-IFNAR2 antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.

ARG42968 anti-IFNAR2 antibody IHC-P image

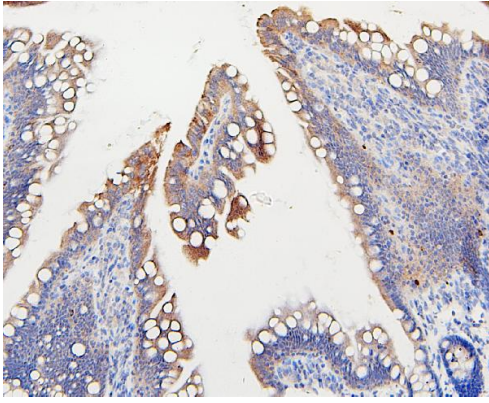


Immunohistochemistry: Paraffin-embedded Mouse intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42968 anti-IFNAR2 antibody at 1 µg/ml dilution, overnight at 4°C.

ARG42968 anti-IFNAR2 antibody IHC-P image



Immunohistochemistry: Paraffin-embedded Mouse liver tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42968 anti-IFNAR2 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42968 anti-IFNAR2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat intestine tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42968 anti-IFNAR2 antibody at 1 μ g/ml dilution, overnight at 4°C.