



# Rabbit Anti-IFNAR1 monoclonal antibody, clone TS56-19 (DCABH-1593)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Target	IFNAR1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TS56-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IP, IHC, FC
Molecular Weight	90/130 kDa
Cellular Localization	Cell membrane, Late endosome, Lysosome.
Positive Control	Human tonsil tissue, human spleen tissue, rat brain tissue, mouse brain tissue.
Format	Liquid
Size	100 µg
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

**Storage**

Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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## BACKGROUND

**Introduction**

The type I interferons (IFNs),  $\alpha$  and  $\beta$ , are a group of structurally and functionally related proteins that are induced by either viruses or double stranded RNA and defined by their ability to confer an antiviral state in cells. The  $\alpha$  and  $\beta$  IFNs appear to compete with one another for binding to a common cell surface receptor, while immune IFN (IFN $\gamma$ ) binds to a distinct receptor. The latter protein, IFN- $\alpha$ R, is only weakly responsive to type I interferons in contrast to IFN- $\alpha$ / $\beta$ R, which binds to and responds effectively to IFN- $\beta$  and to several of the IFN- $\alpha$  subtypes. Moreover, IFN- $\alpha$ / $\beta$ R is physically associated with the cytoplasmic tyrosine kinase JAK1 and thus, in addition to ligand binding, appears to be functionally involved in signal transduction. IFN- $\alpha$ R1 is a receptor for IFN- $\alpha$ / $\beta$  and is present as the full chain (IFN- $\alpha$ R1a) and as a splice-variant (IFN- $\alpha$ R1). The IFN- $\gamma$  receptor complex consists of an alpha subunit (IFN- $\gamma$  R $\alpha$ ) and a beta subunit that is 332 amino acids in length (mouse) and 337 amino acids in length (human).

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**Keywords**

Alpha type antiviral protein;AVP;Beta type antiviral protein;CRF2-1;Cytokine receptor class-II member 1;Cytokine receptor family 2 member 1;IFN alpha REC;IFN alpha receptor;IFN alpha/beta Receptor alpha;IFN beta receptor;IFN-alpha/beta receptor 1;IFN-R-1;IFNAR;Ifnar1;IFNBR;IFRC;INAR1\_HUMAN;Interferon (alpha beta and omega) receptor 1;Interferon alpha/beta receptor 1;Interferon alpha/beta receptor alpha chain;Interferon beta receptor 1;Type I interferon receptor 1 antibody

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