



Mouse Anti-Human IFNAR1 monoclonal antibody, clone NN16 (CABT-ZB855)

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

PRODUCT INFORMATION

Specificity	It reacts with Human IFNAR1
Target	IFNAR1
Immunogen	Recombinant Human IFNAR1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN16
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) This antibody will detect in antibody pair set. [ABPR-ZB043]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human IFNAR1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Interferon-alpha/beta receptor alpha chain (IFNAR1) 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 stimulate Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. The encoded protein also functions as an antiviral factor. Tyk2 slows down IFNAR1 degradation and that this is due, at least in part, to inhibition of IFNAR1 endocytosis. Mutant versions of IFNAR1, in which Tyr466 is changed to phenylalanine, can act in a dominant-negative manner to inhibit phosphorylation of STAT2. These observations are consistent with a model in which IFNAR1 mediates the interaction between JAK kinases and the STAT transcription factors.
Keywords	IFNAR1; interferon-alpha/beta receptor alpha chain-like; putative interferon-alpha/beta receptor alpha chain

GENE INFORMATION

Synonyms	IFNAR1; interferon-alpha/beta receptor alpha chain-like; putative interferon-alpha/beta receptor alpha chain
Entrez Gene ID	15975
UniProt ID	P33896