Product datasheet

Anti-Interferon alpha/beta receptor 1 antibody ab62693

Overview

Product name: Anti-Interferon alpha/beta receptor 1 antibody
Description: Rabbit polyclonal to Interferon alpha/beta receptor 1
Host species: Rabbit
Specificity: ab62693 detects endogenous levels of total Interferon alpha/beta receptor 1 protein.
Tested applications: Suitable for: ELISA, IHC-P
Species reactivity: Reacts with: Human
Immunogen: Synthetic peptide corresponding to Human Interferon alpha/beta receptor 1.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer: pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: PBS, 50% Glycerol, 0.87% Sodium chloride
Without Mg2+ and Ca2+
Purity: Immunogen affinity purified
Purification notes: ab62693 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab62693 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Function
Associates with IFNAR2 to form the type I interferon receptor. Receptor for interferons alpha and beta. Binding to type I IFNs triggers tyrosine phosphorylation of a number of proteins including JAKs, TYK2, STAT proteins and IFNR alpha- and beta-subunits themselves.

Tissue specificity
IFN receptors are present in all tissues and even on the surface of most IFN-resistant cells. Isoform 1, isoform 2 and isoform 3 are expressed in the IFN-alpha sensitive myeloma cell line U266S. Isoform 2 and isoform 3 are expressed in the IFN-alpha resistant myeloma cell line U266R. Isoform 1 is not expressed in IFN-alpha resistant myeloma cell line U266R.

Sequence similarities
Belongs to the type II cytokine receptor family. Contains 3 fibronectin type-III domains.

Post-translational modifications
Phosphorylated on tyrosine residues by TYK2 tyrosine kinase.

Cellular localization
Membrane.

Images
Immunofluorescent analysis of HepG2 cells labeling interferon alpha/beta receptor with ab62693. The image on the right is blocked with the synthesized peptide prior to immunofluorescent labeling.
ab62693 at 1/50 dilution staining Interferon alpha/beta receptor 1 in human brain by Immunohistochemistry, Paraffin-embedded tissue, in the absence or presence of the immunising peptide.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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