abcam

Product datasheet

Anti-IFN gamma Receptor beta/AF-1 antibody [EPR8813] ab171081

Recombinant   RabMAb

2 References   2 Images

Overview

Product name	Anti-IFN gamma Receptor beta/AF-1 antibody [EPR8813]
Description	Rabbit monoclonal [EPR8813] to IFN gamma Receptor beta/AF-1
Host species	Rabbit
Tested applications	**Suitable for:** WB **Unsuitable for:** ICC/IF,IHC-P or IP
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat
Immunogen	Synthetic peptide within Human IFN gamma Receptor beta/AF-1 aa 300 to the C-terminus (Cysteine residue). The exact sequence is proprietary. Database link: **P38484**
Positive control	Fetal heart, Human skeletal muscle and fetal thymus lysates.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: Glycerol (glycerin, glycerine), BSA

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	EPR8813
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab171081 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 38 kDa.

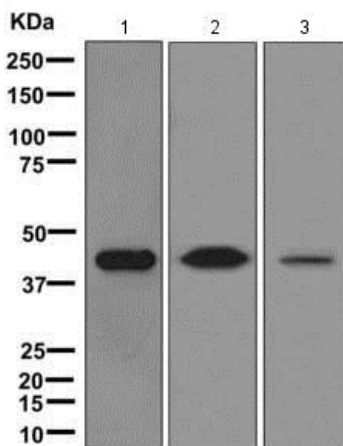| Application notes	Is unsuitable for ICC/IF,IHC-P or IP.

Target

Function	Part of the receptor for interferon gamma. Required for signal transduction. This accessory factor is an integral part of the IFN-gamma signal transduction pathway and is likely to interact with GAF, JAK1, and/or JAK2.
Involvement in disease	Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]; also known as familial disseminated atypical mycobacterial infection. This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as Bacillus Calmette-Guerin (BCG) vaccine and environmental non-tuberculous mycobacteria, and by the more virulent Mycobacterium tuberculosis. Other microorganisms rarely cause severe clinical disease in individuals with susceptibility to mycobacterial infections, with the exception of Salmonella which infects less than 50% of these individuals. The pathogenic mechanism underlying MSMD is the impairment of interferon-gamma mediated immunity, whose severity determines the clinical outcome. Some patients die of overwhelming mycobacterial disease with lepromatous-like lesions in early childhood, whereas others develop, later in life, disseminated but curable infections with tuberculoid granulomas. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance.
Sequence similarities	Belongs to the type II cytokine receptor family. Contains 2 fibronectin type-III domains.
Cellular localization	Membrane.

Images

Western blot - Anti-IFN gamma Receptor beta/AF-1 antibody [EPR8813] (ab171081)

All lanes : Anti-IFN gamma Receptor beta/AF-1 antibody [EPR8813] (ab171081) at 1/1000 dilution

Lane 1 : Fetal heart tissue lysate

Lane 2 : Human skeletal muscle tissue lysate

Lane 3 : Fetal thymus tissue lysate

Lysates/proteins at 10 µg per lane.

Predicted band size: 38 kDa

Why choose a recombinant antibody?

Research with confidence
Consistent and reproducible results

Long-term and scalable supply
Recombinant technology

Success from the first experiment
Confirmed specificity

Ethical standards compliant
Animal-free production

Anti-IFN gamma Receptor beta/AF-1 antibody [EPR8813] (ab171081)

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

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