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Anti-IFNAR1 Antibody Picoband™

Catalog Number: A00306-2

About IFNAR1

Interferon-alpha/beta receptor alpha chain is a protein that in humans is encoded by the IFNAR1 gene. 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. The encoded protein also functions as an antiviral factor.

Overview

Product Name	Anti-IFNAR1 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-IFNAR1 Antibody Picoband™ catalog # A00306-2. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P17181

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human IFNAR1.
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.

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Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Human

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Anti-IFNAR1 Antibody Picoband™ (A00306-2) Images

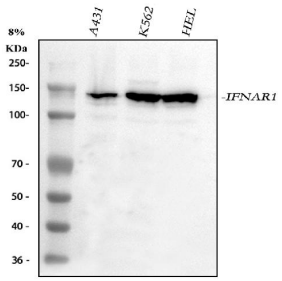

Figure 1. Western blot analysis of IFNAR1 using anti-IFNAR1 antibody (A00306-2).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human A431 whole cell lysates,
Lane 2: human K562 whole cell lysates,
Lane 3: human HEL whole cell lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-IFNAR1 antigen affinity purified polyclonal antibody (Catalog # A00306-2) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for IFNAR1 at approximately 130 kDa. The expected band size for IFNAR1 is at 64 kDa.

1 Publications Citing This Product

1. PubMed ID: 10.1016/j.colsurfb.2016.04.037, Preparation and characterization of latex films photo-immobilized with IFN-alpha

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