

Anti-His Tag Antibody Picoband™ (monoclonal, 19b10)

Catalog Number: M30975-1

About GNG4

Guanine nucleotide-binding protein G(I)/G(S)/G(O) subunit gamma-4 is a protein that in humans is encoded by the GNG4 gene. This gene encodes the gamma subunit of the heterotrimeric G-proteins that are comprised of alpha, beta and gamma subunits. Upon activation by G protein-coupled receptors, the beta-gamma heterodimer dissociates from the alpha subunit to activate downstream signaling events. Alternate splicing results in multiple transcript variants.

Overview

Product Name	Anti-His Tag Antibody Picoband™ (monoclonal, 19b10)
Reactive Species	All species
Description	Boster Bio Anti-His Tag Antibody Picoband™ (monoclonal, 19b10) catalog # M30975-1. Tested in WB application. This antibody reacts with all species.
Application	WB
Clonality	Monoclonal 19b10
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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	Mouse
Uniprot ID	P50150

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence of His Tag.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Lyophilized
Concentration	0
Purification	Immunogen affinity purified.
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

Anti-His Tag Antibody Picoband™ (monoclonal, 19b10) (M30975-1) Images

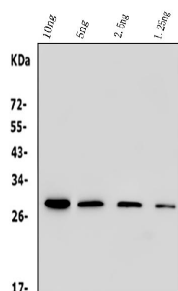


Figure 1. Western blot analysis of His Tag using anti-His Tag antibody (M30975-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours.

Lane 1: recombinant mouse His Tag protein 10ng,

Lane 1: recombinant mouse His Tag protein 5ng,

Lane 1: recombinant mouse His Tag protein 2.5ng,

Lane 1: recombinant mouse His Tag protein 1.25ng.

After Electrophoresis, proteins were transferred to a

Nitrocellulose membrane at 150mA for 50-90 minutes.

Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5

hour at RT. The membrane was incubated with mouse anti-

His Tag antigen affinity purified monoclonal antibody

(Catalog # M30975-1) 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-mouse IgG-HRP secondary

antibody at a dilution of 1:10000 for 1.5 hour at RT. The

signal is developed using an Enhanced Chemiluminescent

detection (ECL) kit (Catalog # EK1001) with Tanon 5200

system.

4 Publications Citing This Product

1. PubMed ID: 10.1007/s11033-008-9341-1, Molecular structure of the largemouth bass (*Micropterus salmoides*) Myf5 gene and its effect on skeletal muscle growth

2. PubMed ID: 30637608, Li L,Yu X,Zhang H,Cheng H,Hou L,Zheng Q,Hou J.In vitro antiviral activity of Griffithsin against porcine epidemic diarrhea virus.Virus Genes.2019 Apr;55(2):174-181.doi:10.1007/s11262-019-01633-7.Epub 2019 Jan 14.PMID:30637608;PMCID:PMC7089098.

3. PubMed ID: 34082810, Wang J,Li Y,Pan L,Li J,Yu Y,Liu B,Zubair M,Wei Y,Pillay B,Olaniran AO,Chiliza TE,Shao G,Feng Z,Xiong Q.Glyceraldehyde-3-phosphate dehydrogenase (GAPDH) moonlights as an adhesin in *Mycoplasma hyorhinis* adhesion to epithelial cells as well as a plasminogen receptor mediating extracellular matrix degradation.Vet Res.2021 Jun 3;52(1):80.doi:10.1186/s13567-021-00952-8. PMID:34082810;PMCID:PMC8173509.

Visit bosterbio.com/anti-his-tag-picoband-trade-antibody-monoclonal-m30975-1-boster.html to see all 4 publications.

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-His Tag Antibody (monoclonal, 19b10)