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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NAGA Antibody Picoband®

Catalog Number: A04163-1

About NAGA

NAGA encodes the lysosomal enzyme alpha-N-acetylgalactosaminidase, which cleaves alpha-N-acetylgalactosaminyl moieties from glycoconjugates. Mutations in NAGA have been identified as the cause of Schindler disease types I and II (type II also known as Kanzaki disease).

Overview

Product Name	Anti-NAGA Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-NAGA Antibody Picoband® catalog # A04163-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	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 freezing and thawing.
Host	Rabbit
Uniprot ID	P17050

Technical Details

Immunogen	E.coli-derived human NAGA recombinant protein (Position: D43-R329). Human NAGAshares 86.7% and 85.4% amino acid (aa) sequence identity with mouse and rat NAGA, respectively.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Mouse, Rat ELISA, 0.1-0.5 ug/ml

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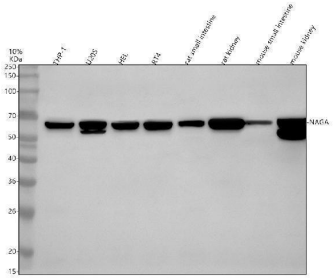
Anti-NAGA Antibody Picoband® (A04163-1) Images



Western blot analysis of NAGA using anti-NAGA antibody (A04163-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human HEL whole cell lysates, Lane 4: human RT4 whole cell lysates, Lane 5: rat small intestine tissue lysates, Lane 6: rat kidney tissue lysates, Lane 7: mouse small intestine tissue lysates, Lane 8: mouse kidney tissue 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-NAGA antigen affinity purified polyclonal antibody (A04163-1) 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-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for NAGA at approximately 60 kDa. The expected band size for NAGA is at 47 kDa.

Anti-NAGA Antibody

For Research Use Only. Not for use in diagnostic procedures.