

Anti-FUT4 Antibody Picoband®

Catalog Number: A04535-1

About FUT4

Fucosyltransferase 4 (alpha (1,3) fucosyltransferase, myeloid-specific), also known as FUT4, is an enzyme which in humans is encoded by the FUT4 gene. The product of this gene transfers fucose to N-acetyllactosamine polysaccharides to generate fucosylated carbohydrate structures. It catalyzes the synthesis of the non-sialylated antigen, Lewis x (CD15).

Overview

Product Name	Anti-FUT4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-FUT4 Antibody catalog # A04535-1. Tested in WB applications. This antibody reacts with Human. 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	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.01mg Na ₃ N.
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	P22083

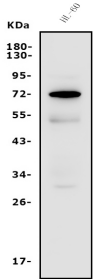
Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human FUT4, which shares 72.7% and 71.4% amino acid (aa) sequence identity with mouse and rat FUT4, respectively.
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.

Suggested Dilutions

Western blot, 0.25-0.5ug/ml, Human

Anti-FUT4 Antibody Picoband® (A04535-1) Images



Western blot analysis of FUT4 using anti-FUT4 antibody (A04535-1). 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 30ug of sample under reducing conditions. Lane 1: human HL-60 whole cell lysates. 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 rabbit anti-FUT4 antigen affinity purified polyclonal antibody (Catalog # A04535-1) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for FUT4 at approximately 70KD. The expected band size for FUT4 is at 70KD.

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Anti-FUT4 Antibody

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