BOSTER BIOLOGICAL TECHNOLOGY
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Anti-SF3B4 Antibody Picoband®

Catalog Number: A06414-1

About SF3B4

Splicing factor 3B subunit 4 is a protein that in humans is encoded by the SF3B4 gene. This gene encodes one of four subunits of the splicing factor 3B. The protein encoded by this gene cross-links to a region in the pre-mRNA immediately upstream of the branchpoint sequence in pre-mRNA in the prespliceosomal complex A. It also may be involved in the assembly of the B, C and E spliceosomal complexes. In addition to RNA-binding activity, this protein interacts directly and highly specifically with subunit 2 of the splicing factor 3B. This protein contains two N-terminal RNA-recognition motifs (RRMs), consistent with the observation that it binds directly to pre-mRNA.

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Overview

Product Name	Anti-SF3B4 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-SF3B4 Antibody Picoband® catalog # A06414-1. Tested in WB 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	WB
Clonality	Polyclonal
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	Rabbit
Uniprot ID	Q15427

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SF3B4, identical to the related mouse and rat sequences.

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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, 0.1-0.5ug/ml

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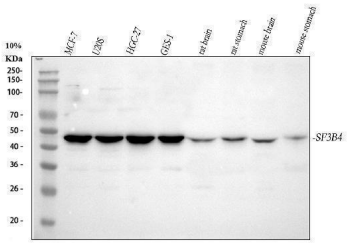
Anti-SF3B4 Antibody Picoband® (A06414-1) Images



Western blot analysis of SF3B4 using anti-SF3B4 antibody (A06414-1). 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 30 ug of sample under reducing conditions. Lane 1: human MCF-7 whole cell lysates, Lane 2: human U2OS whole cell lysates, Lane 3: human HGC-27 whole cell lysates, Lane 4: human GES-1 whole cell lysates, Lane 5: rat brain tissue lysates, Lane 6: rat stomach tissue lysates, Lane 7: mouse brain tissue lysates, Lane 8: mouse stomach 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-SF3B4 antigen affinity purified polyclonal antibody (Catalog # A06414-1) 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 SF3B4 at approximately 44 kDa. The expected band size for SF3B4 is at 44 kDa.

Anti-SF3B4 Antibody

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