BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-CRMP4/Dpysl3 Antibody Picoband®

Catalog Number: A05960-1

About Dpysl3

Dihydropyrimidinase-related protein 3 is an enzyme that in humans is encoded by the DPYSL3 gene. This gene encodes a protein that belongs to the TUC (TOAD-64/Ulip/CRMP) family of proteins. Members of this family are phosphoproteins that function in axonal guidance and neuronal differentiation during development and regeneration of the nervous system. A mutation in the human gene is associated with amyotrophic lateral sclerosis. Alternative splicing results in multiple transcript variants encoding different isoforms.

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Overview

Product Name	Anti-CRMP4/Dpysl3 Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-CRMP4/Dpysl3 Antibody Picoband® catalog # A05960-1. Tested in WB applications. This antibody reacts with 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 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	Q62952

Technical Details

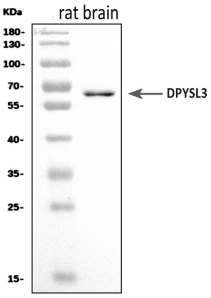
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of rat CRMP4/Dpysl3, which shares 93.3% amino acid (aa) sequence identity with both human and mouse CRMP4/Dpysl3.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

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	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, 0.25-0.5 ug/ml, Rat

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Anti-CRMP4/Dpysl3 Antibody Picoband® (A05960-1) Images



Western blot analysis of CRMP4/Dpysl3 using anti-CRMP4/Dpysl3 antibody (A05960-1). 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: rat brain 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-CRMP4/Dpysl3 antigen affinity purified polyclonal antibody (Catalog # A05960-1) 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 CRMP4/Dpysl3 at approximately 62 kDa. The expected band size for CRMP4/Dpysl3 is at 62 kDa.

Anti-CRMP4/Dpysl3 Antibody

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