BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cullin 5/CUL5 Antibody Picoband®

Catalog Number: A01925-1

About CUL5

Cullin-5 is a protein that in humans is encoded by the CUL5 gene. Cul5 inhibits cellular proliferation, potentially through its involvement in the SOCS/ BC-box/ eloBC/ cul5/ RING E3 ligase complex, which functions as part of the ubiquitin system for protein degradation. One study have shown that Cul5 plays a role in Reelin signaling cascade, participating in the DAB1 degradation and thus ensuring the negative feedback mechanism of Reelin signaling during corticogenesis.

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Overview

Product Name	Anti-Cullin 5/CUL5 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cullin 5/CUL5 Antibody Picoband® catalog # A01925-1. Tested in ELISA, 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	ELISA, 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	Q93034

Technical Details

Immunogen	E. coli-derived human Cullin 5 recombinant protein (Position: A2-D105).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.

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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.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml ELISA, 0.1-0.5ug/ml

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Anti-Cullin 5/CUL5 Antibody Picoband® (A01925-1) Images



Western blot analysis of Cullin 5 using anti-Cullin 5 antibody (A01925-1). 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 50ug of sample under reducing conditions. Lane 1: rat brain tissue lysates,Lane 2: rat spleen tissue lysates,Lane 3: rat heart tissue lysates,Lane 4: rat kidney tissue lysates,Lane 5: mouse brain tissue lysates,Lane 6: mouse spleen tissue lysates,Lane 7: mouse heart tissue lysates,Lane 8: mouse kidney tissue lysates,Lane 9: mouse testis tissue 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-Cullin 5 antigen affinity purified polyclonal antibody (Catalog # A01925-1) 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 1:10000 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 Cullin 5 at approximately 91KD. The expected band size for Cullin 5 is at 91KD.

Anti-Cullin 5/CUL5 Antibody

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