BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cerebellin 1 CBLN1 Antibody

Catalog Number: A09176-1

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Overview

Product Name	Anti-Cerebellin 1 CBLN1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Cerebellin 1 CBLN1 Antibody catalog # A09176-1. Tested in WB, ELISA applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% stabilizing protein and 0.02% sodium azide. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P23435

Technical Details

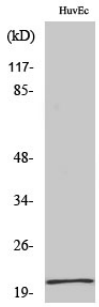
Immunogen	The antiserum was produced against synthesized peptide derived from human CBLN1. AA range:131-180
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Immunogen affinity purified

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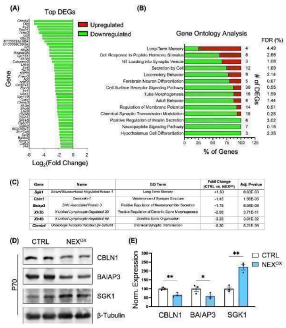
Suggested Dilutions	WB 1:500-1:2000 ELISA 1:10000

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Anti-Cerebellin 1 CBLN1 Antibody (A09176-1) Images



Western Blot (WB) analysis of specific cells using Cerebellin 1 Polyclonal antibody.



NEXMIF overexpression results in transcriptional dysregulation in the brain. (A) RNA sequencing bar chart showing the normalized (Log2) fold changes of the top 44 of 161 total differentially expressed genes (DEGs) in the hippocampus (HPC) of P70 NEX OX mice. In total, 131 DEGs (81%) were downregulated and 30 DEGs (19%) were upregulated by at least a 1.3-fold change in the NEX OX mouse brain, relative to CTRL. (B) Gene Ontology (GO) enrichment analysis bar chart depicting the most enriched biological processes. The “# of DEGs” refers to the number of genes from the RNA sequencing dataset within each predefined Mus musculus GO biological process. Each bar reflects the percentage of upregulated (red) and/or downregulated (green) DEGs within each GO biological process. The False Discovery Rate (FDR) is a statistical measure of true nulls. For example, an FDR of 3% means that, among all genes considered significant, 3% of these genes are truly null. (C) Selected list of top hippocampal DEGs indicating their associated GO term, fold change in expression (NEX OX / CTRL), and adjusted p value. (D) Western blot showing the protein expression of CBLN1 (top panel), BAIAP3 (middle panel), and SGK1 (bottom panel) in the brain lysates of P70 CTRL and NEX OX mice. (E) Quantification of the western blots in (D) showed a significant reduction in CBLN1 and BAIAP3 protein in P70 NEX OX brains, in addition to an increase in SGK1 protein, consistent with RNA sequencing data. N = 3–4 mice/group. Data are represented as average ± SEM. Two-tailed student’s t test (E) : * $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$; **** $p < 0.0001$.Index in PubMed under a CC BY license.
PMID: 40606839

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