

Rabbit Cerebellin 1 Polyclonal Antibody | anti-CBLN1 antibody

Cerebellin 1 Polyclonal Antibody

CATALOG # AAA294467	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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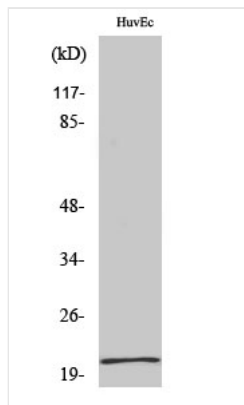
PRODUCT SYNONYMS

Cerebellin 1; Polyclonal Antibody; Cerebellin 1 Polyclonal Antibody; CBLN1; Cerebellin-1; Precerebellin; anti-CBLN1 antibody

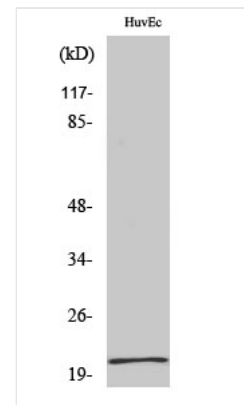
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Applicable Applications for anti-CBLN1 antibody	WB (Western Blot)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES


WB (Western Blot)

Dilution: Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.


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ADDITIONAL INFORMATION

Related Product Information for anti-CBLN1 antibody

Required for synapse integrity and synaptic plasticity. During cerebellar synapse formation, essential for the matching and maintenance of pre- and post-synaptic elements at parallel fiber-Purkinje cell synapses, the establishment of the proper pattern of climbing fiber-Purkinje cell innervation, and induction of long-term depression at parallel fiber-Purkinje cell synapses. Plays a role as a synaptic organizer that acts bidirectionally on both pre- and post-synaptic components. On the one hand induces accumulation of synaptic vesicles in the pre-synaptic part by binding with NRXN1 and in other hand induces clustering of GRID2 and its associated proteins at the post-synaptic site through association of GRID2. NRXN1-CBLN1-GRID2 complex directly induces parallel fiber protrusions that encapsulate spines of Purkinje cells leading to accumulation of GRID2 and synaptic vesicles. Required for CBLN3 export from the endoplasmic reticulum and secretion (By similarity). NRXN1-CBLN1-GRID2 complex mediates the D-Serine-dependent long term depression signals and AMPA receptor endocytosis (PubMed:27418511).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757922
NCBI GeneID	869
NCBI Accession #	NP_004343.1
NCBI GenBank Nucleotide #	NM_004352.3
UniProt Accession #	P23435; P02682; Q52M09; B2RAN9
Molecular Weight	21,097 Da
NCBI Official Full Name	cerebellin-1
NCBI Official Synonym Full Names	cerebellin 1 precursor
NCBI Official Symbol	CBLN1
NCBI Protein Information	cerebellin-1; precerebellin
UniProt Protein Name	Cerebellin-1
UniProt Gene Name	CBLN1
UniProt Synonym Gene Names	CER
UniProt Entry Name	CBLN1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cerebellin-1-antibody-western-blot-elisa/294467>