
Product Name: Cerebellin 1 Rabbit Polyclonal Antibody**Catalog #: APRab08679**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000
Molecular Weight	25kDa

Antigen Information

Gene Name	CBLN1
Alternative Names	CBLN1; Cerebellin-1; Precerebellin
Gene ID	869.0
SwissProt ID	P23435
Immunogen	The antiserum was produced against synthesized peptide derived from human CBLN1. AA range:131-180

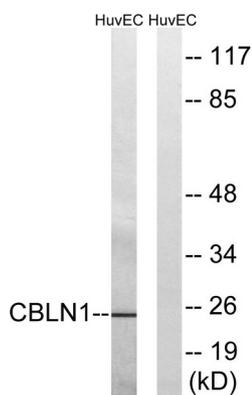
Background

This gene encodes a cerebellum-specific precursor protein, precerebellin, with similarity to the globular (non-collagen-like)

domain of complement component C1qB. Precerebellin is processed to give rise to several derivatives, including the hexadecapeptide, cerebellin, which is highly enriched in postsynaptic structures of Purkinje cells. Cerebellin has also been found in human and rat adrenals, where it has been shown to enhance the secretory activity of this gland. [provided by RefSeq, Aug 2008],developmental stage:Low at birth, the cerebellin concentration increases between day 5 and 15, and reaches peak values between day 21 and 56.,function:Cerebellin exerts neuromodulatory functions. Directly stimulates norepinephrine release via the adenylate cyclase/PKA-dependent signaling pathway; and indirectly enhances adrenocortical secretion in vivo, through a paracrine mechanism involving medullary catecholamine release.,function:Cerebellin-1 is required for synapse integrity and synaptic plasticity. Required for the ER export and secretion of CBLN3.,PTM:The proteolytic processing to yield cerebellin seems to occur either prior to the secretion by presynaptic neurons and subsequent oligomerization or in some other location after release of the mature protein.,similarity:Contains 1 C1q domain.,subcellular location:Might be bound to, or associated with, a membrane.,subunit:Homohexamer; disulfide-linked homotrimers. The trimers are assembled via the globular C1q domains. The trimers associate via N-terminal cysteine residues to form disulfide-linked hexamers. Probably forms a heteomeric complex with CBLN3. May interact with CBLN2 and CBLN4.,tissue specificity:In the Purkinje cells postsynaptic structures. In the cerebellum, cerebellin is much less abundant than [des-Ser1]-cerebellin.,

Research Area

Image Data



Western blot analysis of lysates from HUVEC cells, using CBLN1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Cerebellin 1 Polyclonal Antibody

