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[Primary Antibody]

Rabbit Anti-CBLN3 antibody

Catalog Number: SL11537R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CBLN3
Immunogen:	KLH conjugated synthetic peptide derived from human Cerebellin 3: 101-200/205
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	18kDa
Subcellular Location:	The cell membrane Secretory protein
Background:	Cerebellin (CER), which was originally isolated from rat cerebellum, is a hexadecapeptide derived from a larger precursor called Cerebellin 1, also designated precerebellin 1 or Cbln1. Four propeptides, Cerebellin 1, Cerebellin 2 (Cbln2), Cerebellin 3 (Cbln3) and Cerebellin 4 (Cbln4), comprise the precerebellin subfamily within the C1q protein family. Cerebellin family members act as transneuronal regulators of synapse development and synaptic plasticity in various brain regions. Cerebellin and its metabolite, des-Ser(1)Cer, are also expressed in several extra-cerebellar tissues, including adrenal gland. Cerebellin 1, 2 and 3 assemble into homomeric and heteromeric complexes, thereby influencing

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	each other's degradation and secretion. Cerebellin 3 is not able to form homomeric complexes, and can only be secreted upon forming a heteromeric complex with Cerebellin 1. Decreased concentrations of Cerebellin have been found in the brain of patients with olivopontocerebellar atrophy (OPCA) and Shy-Drager syndrome, suggesting a role for Cerebellin in the pathology of these diseases. **Function:** May be involved in synaptic functions in the CNS. **Subunit:** Heterohexamer; disulfide-linked heterotrimers. Does not homooligomerize, but probably forms a complex with at least CBLN1. May interact with CBLN2 and CBLN4 **Subcellular Location:** Secreted. Cell junction, synapse (By similarity). Note=Secretion depends probably on a association with CBLN1 or perhaps CBLN4 but not on CBLN2 **Similarity:** Contains 1 C1q domain. **Database links:** **Entrez Gene:** 643866 Human **Entrez Gene:** 56410 Mouse Omim: 612978 Human **SwissProt:** Q6UW01 Human **SwissProt:** Q9JHG0 Mouse **Unigene:** 207603 Human **Unigene:** 97163 Mouse

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