

Cerebellin 2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51047

Product Information

Application	WB
Primary Accession	Q8IUK8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24084

Additional Information

Gene ID	147381
Other Names	Cerebellin-2, CBLN2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cerebellin 2. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CBLN2 (HGNC:1544)
Function	Acts as a synaptic organizer in specific subsets of neurons in the brain. Essential for long-term maintenance but not establishment of excitatory synapses. Functions as part of a trans-synaptic complex by binding to postsynaptic GRID1 and presynaptic neurexins. This interaction helps regulate the activity of NMDA and AMPA receptors at hippocampal synapses without affecting synapse formation. NRXN1B-CBLN2- GRID1 complex transduce presynaptic signals into postsynaptic NMDAR response. NRXN3B-CBLN2-GRID1 complex transduce presynaptic signals into postsynaptic AMPAR response.
Cellular Location	Secreted {ECO:0000250 UniProtKB:Q8BGU2}.

Background

May play role in synaptogenesis induction (By similarity).

References

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

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