

Cerebellin 2 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51047**Specification**

Cerebellin 2 Antibody - Product Information

Application	WB, E
Primary Accession	Q8IUK8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24 KDa

Cerebellin 2 Antibody - 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

E~~N/A

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

Cerebellin 2 Antibody - 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 neuroligins. 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}.

Cerebellin 2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Cerebellin 2 Antibody - Images

Cerebellin 2 Antibody - Background

May play role in synaptogenesis induction (By similarity).

Cerebellin 2 Antibody - 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.