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Anti-Cerebellin 4 Antibody

Catalog # AP51048

Product Information

Application	WB, IHC
Primary Accession	Q9NTU7
Reactivity	Human, Mouse, Rat, Pig, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21808

Additional Information

Gene ID	140689
Other Names	CBLNL1; Cerebellin-4; Cerebellin-like glycoprotein 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Cerebellin 4. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

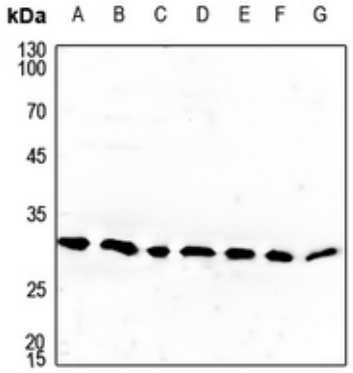
Protein Information

Name	CBLN4
Synonyms	CBLNL1
Function	Acts as a synaptic organizer in specific subsets of neurons in the brain (By similarity). Essential for the formation and maintenance of inhibitory GABAergic synapses (By similarity). Promotes the development of dendrite-targeting inhibitory GABAergic synapses made by somatostatin-positive interneurons (By similarity). May contribute to the function of ventral medial habenula region of the brain implicated in the regulation of anxiety-related behaviors (By similarity). May play a role in CBLN3 export from the endoplasmic reticulum and secretion (By similarity).
Cellular Location	Secreted {ECO:0000250|UniProtKB:Q8BME9}. Synapse {ECO:0000250|UniProtKB:Q8BME9}. Note=Detected at GABAergic synapses {ECO:0000250|UniProtKB:Q8BME9}

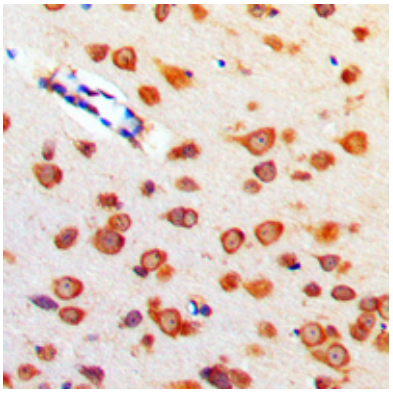
References

Clark H.F.,et al.Genome Res. 13:2265-2270(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Deloukas P.,et al.Nature 414:865-871(2001).
Zhang Z.,et al.Protein Sci. 13:2819-2824(2004).

Images



Western blot analysis of Cerebellin 4 expression in HEK293T (A), Hela (B), A549 (C), mouse lung (D), mouse liver (E), rat lung (F), rat liver (G) whole cell lysates. (Predicted band size: 21 kD; Observed band size: 30 kD)



Immunohistochemical analysis of Cerebellin 4 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.