

Cerebellin 4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51048

Product Information

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

Additional Information

Gene ID	140689
Other Names	Cerebellin-4, Cerebellin-like glycoprotein 1, CBLN4, CBLNL1
Target/Specificity	KLH conjugated synthetic peptide derived from human Cerebellin 4
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	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}

Background

May be involved in synaptic functions in the CNS. May play a role in CBLN3 export from the endoplasmic reticulum and secretion (By similarity).

References

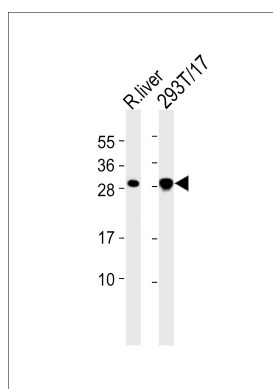
Clark H.F.,et al.Genome Res. 13:2265-2270(2003).

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



All lanes : Anti-Cerebellin 4 Antibody at 1:1000 dilution
Lane 1: rat liver lysates Lane 2: 293T/17 whole cell lysates
Lysates/proteins at 20 µg per lane. Secondary Goat
Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000
dilution Predicted band size : 22 kDa Blocking/Dilution
buffer: 5% NFDM/TBST.

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