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CNNM2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14175B

Product Information

Application	WB, E
Primary Accession	Q9H8M5
Other Accession	NP_951058.1, NP_060119.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19573
Calculated MW	96623
Antigen Region	646-674

Additional Information

Gene ID	54805
Other Names	Metal transporter CNNM2, Ancient conserved domain-containing protein 2, Cyclin-M2, CNNM2, ACDP2
Target/Specificity	This CNNM2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 646-674 amino acids from the C-terminal region of human CNNM2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	CNNM2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CNNM2
Synonyms	ACDP2

Function	Divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg(2+) > Co(2+) > Mn(2+) > Sr(2+) > Ba(2+) > Cu(2+) > Fe(2+) (By similarity).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Widely expressed. Expressed at higher level in brain, kidney and placenta, while it is weakly expressed in skeletal muscle. In the kidney, it is expressed in the distal convoluted tubule and the thick ascending limb of Henle loop

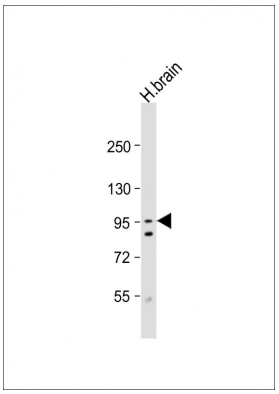
Background

CNNM2 is a divalent metal cation transporter. Mediates transport of divalent metal cations in an order of Mg(2+) > Co(2+) > Mn(2+) > Sr(2+) > Ba(2+) > Cu(2+) > Fe(2+) (By similarity).

References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Takeuchi, F., et al. Circulation 121(21):2302-2309(2010)
Yasuno, K., et al. Nat. Genet. 42(5):420-425(2010)
Simon-Sanchez, J., et al. Nat. Genet. 41(12):1308-1312(2009)
Newton-Cheh, C., et al. Nat. Genet. 41(6):666-676(2009)

Images



Anti-CNNM2 Antibody (C-term) at 1:1000 dilution + human brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 97 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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