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CLDND1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9729c

Product Information

Application	WB, E
Primary Accession	Q9NY35
Other Accession	Q4R4Z3
Reactivity	Human, Mouse
Predicted	Monkey, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24359
Calculated MW	28603
Antigen Region	43-72

Additional Information

Gene ID	56650
Other Names	Claudin domain-containing protein 1, Membrane protein GENX-3745, CLDND1, C3orf4
Target/Specificity	This CLDND1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 43-72 amino acids from the Central region of human CLDND1.
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	CLDND1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CLDND1
Synonyms	C3orf4

Function	Plays a role in negatively regulating the permeability of cells to small molecules.
Cellular Location	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein
Tissue Location	Widely distributed in the adult CNS with highest expression in the corpus callosum, caudate nucleus, cerebral cortex, medulla, putamen, spinal cord, substantia nigra and subthalamic nucleus. Weak expression was detected in the adult heart

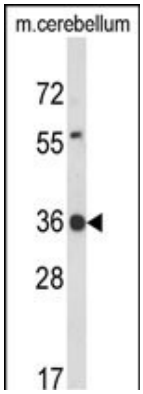
Background

CLDND1 is widely distributed in the adult CNS with highest expression in the corpus callosum, caudate nucleus, cerebral cortex, medulla, putamen, spinal cord, substantia nigra and subthalamic nucleus. Weak expression has been detected in the adult heart. There are 2 named isoforms produced by alternative splicing.

References

Liu, Y., et al. Lung Cancer 56(3):307-317(2007)
Fayein, N.A., et al. Gene 289 (1-2), 119-129 (2002)

Images



Western blot analysis of CLDND1 Antibody (Center) (Cat. #AP9729c) in mouse cerebellum tissue lysates (35ug/lane). CLDND1 (arrow) was detected using the purified Pab.

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