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CACHD1 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13051

Product Information

Application	WB
Primary Accession	Q5VU97
Other Accession	NM_020925, NP_065976
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Rat, Rabbit, Pig, Chicken, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	142290

Additional Information

Gene ID	57685
Alias Symbol	KIAA1573, RP4-655E10.1
Other Names	VWFA and cache domain-containing protein 1, Cache domain-containing protein 1, CACHD1, KIAA1573, VWCD1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CACHD1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CACHD1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

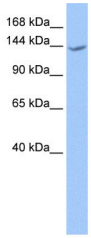
Name	CACHD1 (HGNC:29314)
Function	Is a regulator of voltage-dependent calcium channels, modulating the activity of T-type calcium channels; it probably forms complexes with Cav3.1 at the cell surface and increases channel open probability (PubMed:30181139). Is also involved in the regulation of Wnt signaling, acting within a ternary complex as scaffold component that bridges FZD5 and LRP6 (By similarity). Plays a role in the regulation of neural progenitor cells proliferation and differentiation (PubMed:38158856).
Cellular Location	Cell membrane; Single-pass type I membrane protein

Tissue Location	Highly expressed in the hippocampus, thalamus, and cerebellum (PubMed:30181139). Is most abundant in dentate gyrus granule cells and pyramidal cells of the hippocampus cornu ammonis, cortical regions, and thalamus (at protein level) (PubMed:30181139)

References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Gregory S.G.,et al.Nature 441:315-321(2006).
Nagase T.,et al.DNA Res. 7:273-281(2000).
Ota T.,et al.Nat. Genet. 36:40-45(2004).

Images



WB Suggested Anti-CACHD1 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human brain

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