

Datasheet for ABIN350133

anti-CACHD1 antibody (AA 1120-1170)[Go to Product page](#)

Overview

Quantity:	500 µg
Target:	CACHD1
Binding Specificity:	AA 1120-1170
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACHD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide from AA 1120-1170 of human CACHD1 conjugated to blue carrier protein was used as the antigen. The peptide is homologous in mouse.
Isotype:	IgG
Specificity:	Specific for CACHD1.
Cross-Reactivity:	Human, Mouse
Cross-Reactivity (Details):	Other species not yet tested.
Purification:	IgG

Target Details

Target:	CACHD1
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Target Details

Alternative Name: CACHD1 ([CACHD1 Products](#))

Background: FUNCTION: The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current density and activation/inactivation kinetics of the calcium channel. Defects in CACNA2D4 are the cause of retinal cone dystrophy 4 (RCD4). RCD4 is characterized by minimal symptoms except for slowly progressive reduction in visual acuity. Tissue specificity: Predominantly expressed in certain types of endocrine cells. Present in the Paneth cells of the small intestine. Also present in the erythroblasts in the fetal liver, in the cells of the zona reticularis of the adrenal gland and in the basophiles of the pituitary. Present at low level in some brain regions such as the cerebellum (at protein level). Subcellular location: Membrane, Single-pass type I membrane protein Miscellaneous: In contrast to CACNA2D1 and CACNA2D2, it does not bind gabapentin, an antiepileptic drug.,Alpha-2/delta Subunit,VWFA and cache domain-containing protein 1, Cache domain-containing protein 1

UniProt: [Q5VU97](#)

Application Details

Application Notes: IHC, WB. A concentration of 10-50 µg/ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material.

Handling Advice: Avoid freeze and thaw cycles.

Storage: 4 °C/-20 °C

Storage Comment: Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles.

Expiry Date: 12 months