10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CHN1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20274a

Product Information

Application	WB, E
Primary Accession	P15882
Other Accession	Q91V57, NP_001020372.2
Reactivity	Human, Mouse
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42774
Calculated MW	53172
Antigen Region	1-30

Additional Information

Gene ID	1123
Other Names	N-chimaerin, A-chimaerin, Alpha-chimerin, N-chimerin, NC, Rho GTPase-activating protein 2, CHN1, ARHGAP2, CHN
Target/Specificity	This CHN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CHN1.
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	CHN1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CHN1
Synonyms	ARHGAP2, CHN

Function	GTPase-activating protein for p21-rac and a phorbol ester receptor. Involved in the assembly of neuronal locomotor circuits as a direct effector of EPHA4 in axon guidance.
Tissue Location	In neurons in brain regions that are involved in learning and memory processes

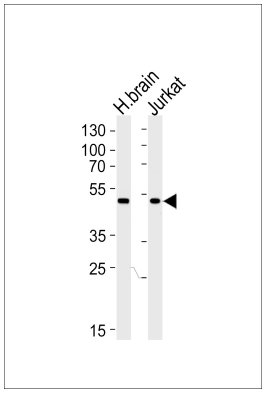
Background

This gene encodes GTPase-activating protein for p21-rac and a phorbol ester receptor. It plays an important role in ocular motor axon pathfinding. Heterozygous missense mutations in this gene cause Duane's retraction syndrome 2 (DURS2). Multiple transcript variants encoding different isoforms have been found for this gene.

References

Volk, A.E., et al. Graefes Arch. Clin. Exp. Ophthalmol. 248(9):1351-1357(2010)
Dick, D.M., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (6), 1179-1188 (2010) :
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Miyake, N., et al. Am. J. Med. Genet. A 152A (1), 215-217 (2010) :
Murillo-Correa, C.E., et al. J AAPOS 13(3):245-248(2009)

Images



Western blot analysis of lysates from human brain tissue lysate and Jurkat cell line (from left to right), using CHN1 Antibody (N-term)(Cat. #AP20274a). AP20274a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

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