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VSNL1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12201c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P62760
Other Accession	P62762, P62761, Q4R5F7, P62764, P62763, P35332, Q8BGZ1, Q9UM19, P29104, NP_003376
Reactivity	Human, Mouse
Predicted	Bovine, Rat, Chicken, Monkey, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB19926
Calculated MW	22142
Antigen Region	47-75

Additional Information

Gene ID	7447
Other Names	Visinin-like protein 1, VILIP, VLP-1, Hippocalcin-like protein 3, HLP3, VSNL1, VISL1
Target/Specificity	This VSNL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 47-75 amino acids from the Central region of human VSNL1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	VSNL1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	VSNL1

Synonyms	VISL1
Function	Regulates (in vitro) the inhibition of rhodopsin phosphorylation in a calcium-dependent manner.
Tissue Location	Brain and retina. Neuron-specific in the central and peripheral nervous system. Increased in the cerebrospinal fluid of Alzheimer disease patients (at protein level)

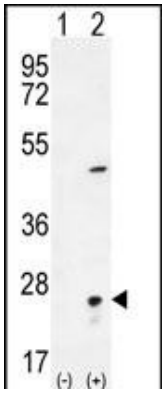
Background

This gene is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. The encoded protein is strongly expressed in granule cells of the cerebellum where it associates with membranes in a calcium-dependent manner and modulates intracellular signaling pathways of the central nervous system by directly or indirectly regulating the activity of adenylyl cyclase. Alternatively spliced transcript variants have been observed, but their full-length nature has not been determined.

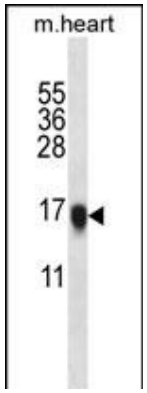
References

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Fu, J., et al. J. Biol. Chem. 284(40):27577-27586(2009)
Chen, K.C., et al. J. Pept. Sci. 15(2):89-94(2009)
Zhao, C.J., et al. Mol. Cell. Neurosci. 40(2):280-292(2009)

Images

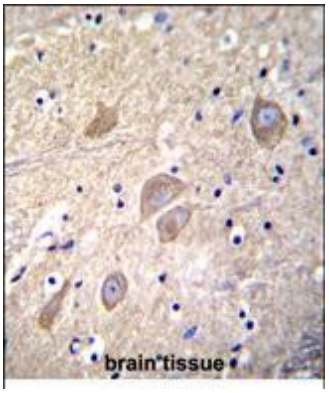


Western blot analysis of VSNL1 (arrow) using rabbit polyclonal VSNL1 Antibody (Center) (Cat. #AP12201c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the VSNL1 gene.

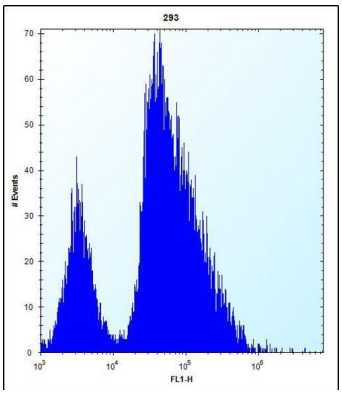


VSNL1 Antibody (Center) (Cat. #AP12201c) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the VSNL1 antibody detected the VSNL1 protein (arrow).

VSNL1 Antibody (Center) (Cat. #AP12201c)immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue



followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of VSNL1 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



VSNL1 Antibody (Center) (Cat. #AP12201c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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