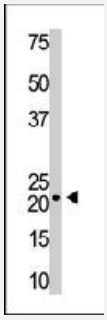
VSNL1 polyclonal antibody

Catalog # PAB3604 Size 200 uL

Applications



Western Blot (Tissue lysate)

The VSNL1 polyclonal antibody (Cat # PAB3604) is used in Western blot to detect VILIP1 in mouse brain tissue lysate.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with VSNL1 polyclonal antibody (Cat # PAB3604) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated.

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Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of VSNL1.

Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 129-159 at C-terminus of human VSNL1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-100) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Gene Info — VSNL1

Entrez GeneID	7447
Protein Accession#	VISL1_HUMAN
Gene Name	VSNL1

Gene Alias	HLP3, HPCAL3, HUVISL1, VILIP, VILIP-1
Gene Description	visinin-like 1
Omim ID	600817
Gene Ontology	Hyperlink
Gene Summary	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. Alternativ ely spliced transcript variants have been observed, but their full-length nature has not been determ ined. [provided by RefSeq
Other Designations	OTTHUMP00000115804|hippocalcin-like protein 3

Publication Reference

- Up-regulation of P2X3 receptors by neuronal calcium sensor protein VILIP-1 in dorsal root ganglion contributes to the bone cancer pain in rats.

  Liu M, Yang H, Fang D, Yang JJ, Cai J, Wan Y, Chui DH, Han JS, Xing GG.

  Pain 2013 Sep; 154(9):1551.

  Application: IF, WB-Tr, Human, Rat, HEK 293 cells, Rat DRG neurons

- Group I mGlu receptors regulate the expression of the neuronal calcium sensor protein VILIP-1 in vitro and in vivo: implications for mGlu receptor-dependent hippocampal plasticity?

  Braunewell KH, Brackmann M, Manahan-Vaughan D.

  Neuropharmacology 2003 May; 44(6):707.

  Application: WB, Rat, Rat hippocampus

- Reversible translocation and activity-dependent localization of the calcium-myristoyl switch protein VILIP-1 to different membrane compartments in living hippocampal neurons.

  Spilker C, Dresbach T, Braunewell KH.

  The Journal of Neuroscience 2002 Sep; 22(17):7331.

  Application: IF, WB-Tr, Rat, NG108-15 cells, Hippocampal neurons

- The calcium sensor protein visinin-like protein-1 modulates the surface expression and agonist sensitivity of the alpha 4beta 2 nicotinic acetylcholine receptor.

  Lin L, Jeanclos EM, Treuil M, Braunewell KH, Gundelfinger ED, Anand R.

  The Journal of Biological Chemistry 2002 Nov; 277(44):41872.

  Application: WB-Ti, WB-Tr, Human, Rat, tsA201 cells, Brain

Disease

- Genetic Predisposition to Disease
- Schizophrenia