

Visinin-like Protein 1 Antibody | anti-VSNL1 antibody

Visinin-like Protein 1, Affinity Purified, Chicken

CATALOG # AAA76518	REACTIVITY Bovine, Human, Mouse, Rat	APPLICATIONS Western Blot, Immunofluorescence
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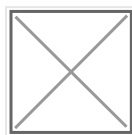
PRODUCT SYNONYMS

Visinin-like Protein 1; Affinity Purified; Chicken; anti-VSNL1 antibody

PRODUCT SPECIFICATIONS

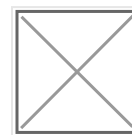
Reactivity	Bovine, Human, Mouse, Rat
Form/Format	Affinity Purified - Liquid
Sequence Length	191
Applicable Applications for anti-VSNL1 antibody	WB (Western Blot), IF (Immunofluorescence)
Type Info	Chicken IgY
Immunogen	VSNL1 Protein

IMAGES



Application Data

Image: Western blot of rat brain homogenate stained with Cat# CH22114 VLP-1. Note the strong clean band running at 18 kDa.. Protocol on Data-sheet.



Application Data

Image: Confocal image of adult rat cerebellar cortex stained with Cat# CH22114 VLP-1 (green), Neuromics' polyclonal antibody to NF-M: Cat# RA22105 (red) and DNA (blue). The VLP-1 reveals synapses in the molecular layer (ML) strongly. Synaptic regions are also seen in the granule cell layer (GC). The perikarya of Purkinje cells (PC) and dendrites and axons are revealed with NF-M antibody. Little staining of VLP-1 is seen in the white matter (WM). Protocol on Data-sheet.

ADDITIONAL INFORMATION

Related Product Information for anti-VSNL1 antibody	Visinin-like protein 1 (VSNL1) is a small Calcium binding protein which is very abundant in the nervous system and is found only in neurons, though different neurons have different levels of expression (4, 5). It is particularly concentrated in cerebellar Purkinje cells, and tends to be most abundant in perikarya and dendrites. The protein was discovered independently by several groups and is therefore also sometimes known as hippocalcin-like protein 3, HLP3, HPCAL3, HUVISL1, VLP-1, VILIP and VILIP-1. The protein belongs to the large superfamily of calmodulin and parvalbumin type proteins which function by binding Calcium ions. Calcium binding alters the conformation of these proteins and allow them to interact with other binding partners, the properties of which they may alter. Visinin-like protein 1 has four "EF hand" domains, which are negatively charged helix-turn-helix peptides which are responsible for Calcium binding. Visinin-like protein 1 is 191 amino acids in size and has a molecular weight on SDS-PAGE of 22kDa.
Product Categories/Family for anti-VSNL1 antibody	Antibodies ; Vision and Retina ; Visinin-like protein 1/VSNL1

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361559
NCBI GeneID	7447
NCBI Accession #	NP_003376.2
NCBI GenBank Nucleotide #	NM_003385.4
Molecular Weight	22,142 Da
NCBI Official Full Name	visinin-like protein 1
NCBI Official Synonym Full Names	visinin like 1
NCBI Official Symbol	VSNL1
NCBI Official Synonym Symbols	HLP3; VILIP; HPCAL3; HUVISL1; VILIP-1
NCBI Protein Information	visinin-like protein 1
UniProt Protein Name	Visinin-like protein 1
UniProt Gene Name	VSNL1
UniProt Synonym Gene Names	VISL1; VILIP; VLP-1; HLP3
UniProt Entry Name	VISL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vsnl1-bovine-human-mouse-ovine-rat-antibody/visinin-like-protein-1/76518>