Rabbit Visinin-Like Protein 1/VSNL 1 Polyclonal Antibody | anti-VSNL1 antibody

Visinin-Like Protein 1/VSNL 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76745	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, Immunocytochemistry**

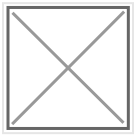
PRODUCT SYNONYMS

Visinin-Like Protein 1/VSNL 1; Polyclonal Antibody; anti-VSNL1 antibody

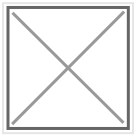
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Form/Format	Liquid. Affinity purified antibody at 1mg/mL in 50% PBS, 50%glycerol plus 5mM NaN3
Applicable Applications for anti-VSNL1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human VLP1
Preparation and Storage	Antibody can also be aliquotted and stored frozen at -20 degree C in a manual defrost freezer for sixmonths without detectable loss of activity. The antibody can be stored at 2 degree - 8 degree C for 1 month without detectable loss of activity. Avoid repeated freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of different tissue lysates using rabbit pAb to visinin-like Protein 1 (VLP1), AAA76745, dilution 1:20,000 in green: [1] protein standard (red), [2] rat brain [3] mouse brain, [4] pig hippocampus, and [5] cow cerebellum. The band at ~20kDa corresponds to the VLP1 protein.



IF (Immunofluorescence)
Immunofluorescent analysis of rat cerebellum section stained with rabbit pAb to VLP1, AAA76745, dilution 1:2,000 in green, and costained with mouse mAb to calretinin in red. The blue is Hoechst staining of nuclear DNA. The VLP1 antibody reveals protein expressed in granule cells membranes and their synapses in both the granular and molecular layer of the cerebellum.

ADDITIONAL INFORMATION

Related Product Information for anti-VSNL1 antibody	Visinin was originally isolated biochemically from chicken retina as a major protein of ~24kDa on SDS-PAGE gels. The protein belongs to the large superfamily of calmodulin and paravalbumin 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. The protein is 191 amino acids in size and has a molecular weight on SDS-PAGE of 18kDa. The protein has recently been suggested to be a useful blood biomarker of Alzheimer's disease and traumatic brain injury. It was antibody was made against full length recombinant human visinin-like protein 1, and expressed in and purified from E coli. It can be used to track this protein by ELISA, on western blots and in cells in culture and sections.

NCBI AND UNIPROT INFORMATION

NCBI GI #	51338696
NCBI GeneID	7447
UniProt Accession #	P62760; P28677; P29103; P42323; Q9UM20; D6W515
Molecular Weight	191
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; VLP-1; hippocalcin-like protein 3
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/polyclonal/visinin-like-protein-1-vsnl-1-antibody-immunofluorescence-immunohistochemistry-western-blot-immunocytochemistry-elisa/76745