

Datasheet for 200-301-X36**Visinin-Like Protein 1 Antibody****Overview**

Description:	Anti-Visinin-Like Protein 1 (VSNL1) (MOUSE) Monoclonal Antibody - 200-301-X36
Item No.:	200-301-X36
Size:	100 µL
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat, Bovine
Host Species:	Mouse

Product Details

Background:	Visinin-like protein 1 (VSNL1), also known as VILIP1, is a calcium sensor protein expressed exclusively in neurons. Highest levels of VSNL1 expression are found in cerebellar Purkinje cells. VSNL1 has been implicated in the modulation of cell signaling cascades via regulation of adenylyl cyclase activity. Additionally, VSNL1 has been associated with amyloid plaques and neurofibrillar tangles in Alzheimer's disease. Visinin-Like Protein 1 Antibody is ideal for researchers interested in neuroscience research.
Synonyms:	VSNL1, VILIP, VLP-1, Hippocalcin-like protein 3, HLP3
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	2D11
Format:	IgG1

Target Details

Gene Name:	VSNL1
Reactivity:	Human, Mouse, Rat, Bovine
Immunogen Type:	Recombinant Protein
Immunogen:	Anti-Visinin-Like Protein 1 Antibody was produced in mice by repeated immunizations with a recombinant human VSNL1 purified from E. coli.

Purity/Specificity: Anti-Visinin-Like Protein 1 Antibody was affinity purified from tissue culture supernatant.

Relevant Links:

- [UniProtKB - P62760](#)
- [GeneID - 7447](#)
- [NCBI - NP_003376.2](#)

Application Details

Tested Applications: IHC, WB

Application Note: Anti-Visinin-Like Protein 1 Antibody is tested for Western Blot, immunohistochemistry, and immunocytochemistry, and it is specific for the ~22 kDa VSNL protein. Specific conditions for reactivity should be optimized by the end user.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:20,000

IF: 1:500

IHC: 1:500-1:1000

WB: 1:2000

Formulation

Physical State: Liquid (sterile filtered)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

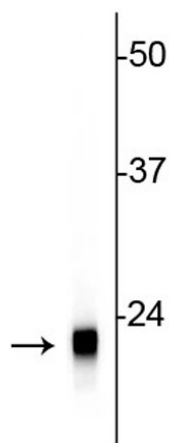
Shipping & Handling

Shipping Condition: Wet Ice

Storage Condition: Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.

Expiration: Expiration date is one (1) year from date of receipt.

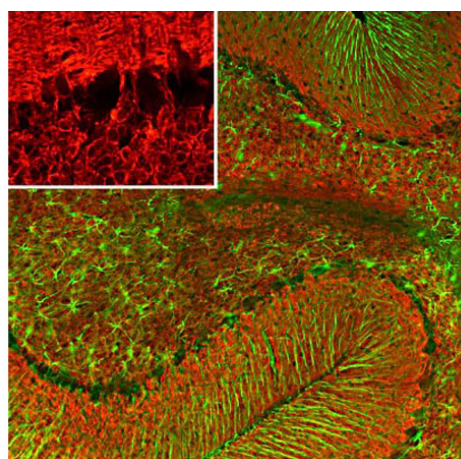
Images



Western Blot

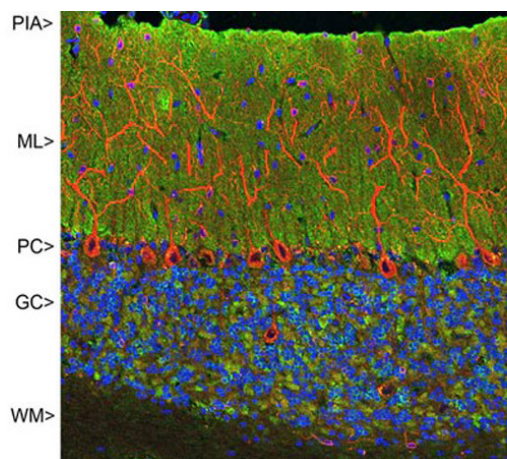
Western blot of Anti-Visinin-Like Protein 1 (VSNL1) antibody.

Rat cerebellar lysate showing specific immunolabeling of the ~22 kDa VSNL1 protein.



Immunofluorescence Microscopy

Immunofluorescence of a section of rat cerebellum labeled with anti-visinin-like 1 protein (p/n 200-301-X36, 1:500, red) and anti-GFAP (green, 1:5000). The anti-VSNL1 reveals protein expressed in the granule cell membranes and in synapses in the white matter and molecular layers. The anti-GFAP reveals protein expressed in the processes of Bergmann glia and astroglia.



Immunofluorescence Microscopy

Immunofluorescence using Anti-Visinin-Like Protein 1 (VSNL1) Antibody.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.