

Product datasheet for **UM800035CF**

VILIP1 (VSNL1) Mouse Monoclonal Antibody [Clone ID: UMAB116]

Product data:

Product Type:	Primary Antibodies
Clone Name:	UMAB116
Applications:	IF, IHC, WB
Recommended Dilution:	IHC 1:200
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 2-191 of human VSNL1 (NP_003376) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	22 kDa
Gene Name:	visinin like 1
Database Link:	NP_003376 Entrez Gene 24877 Rat Entrez Gene 26950 Mouse Entrez Gene 7447 Human P62760



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Background:

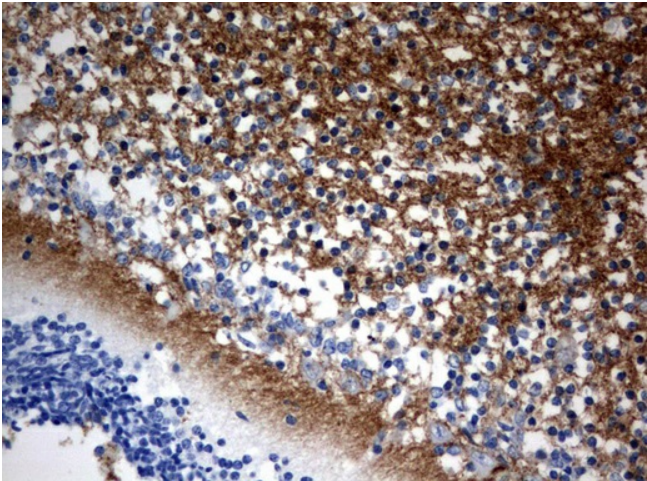
This gene is a member of the visinin/recoverin subfamily of neuronal calcium sensor proteins. The encoded protein is strongly expressed in granule cells of the cerebellum where it associates with membranes in a calcium-dependent manner and modulates intracellular signaling pathways of the central nervous 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. [provided by RefSeq, Jul 2008]

Synonyms:

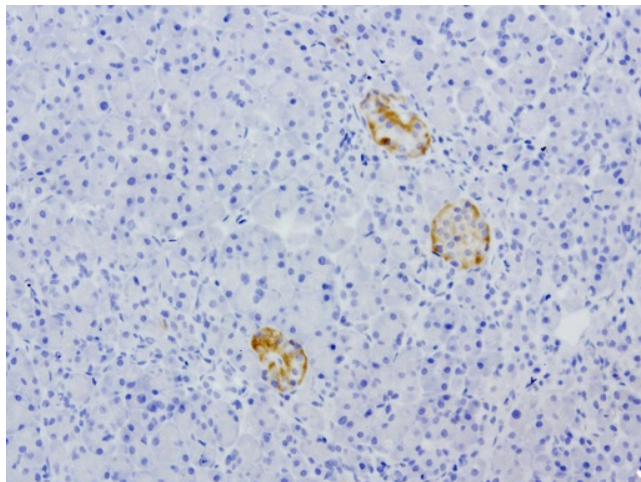
HLP3; HPCAL3; HUVISL1; VILIP; VILIP-1

Protein Families:

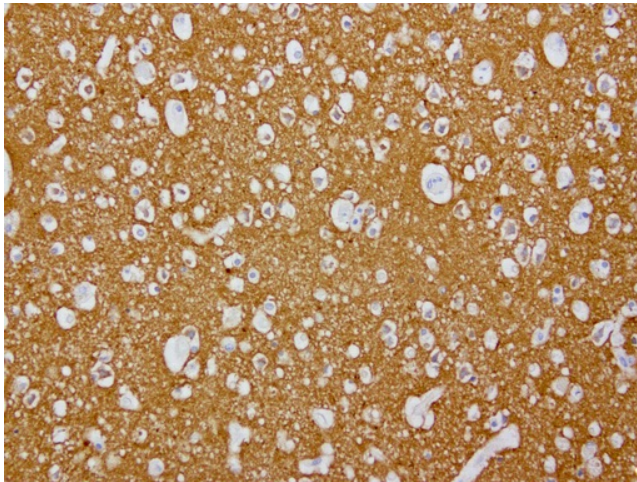
Druggable Genome

Product images:

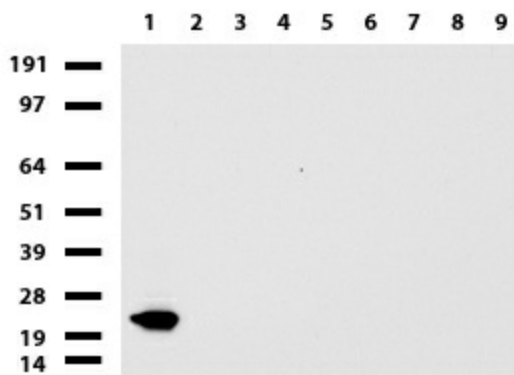
Immunohistochemical staining of paraffin-embedded Human embryonic cerebellum using anti-VSNL1 mouse monoclonal antibody. ([UM800035]; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)



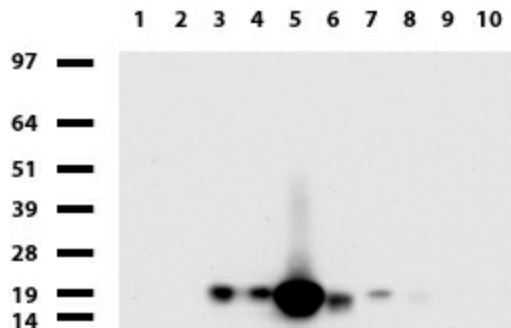
Immunohistochemical staining of paraffin-embedded human pancreas using anti-VSNL1 clone UMAB116 mouse monoclonal antibody ([UM800035]) at 1:200 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI Citrate pH6.0 HIER buffer using



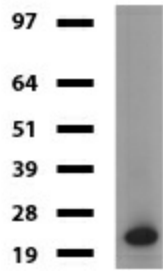
Immunohistochemical staining of paraffin-embedded human brain using anti-VSNL1 clone UMAB116 mouse monoclonal antibody ([UM800035]) at 1:200 with Polink2 Broad HRP DAB detection kit; heat-induced epitope retrieval with GBI Citrate pH6.0 HIER buffer using pr



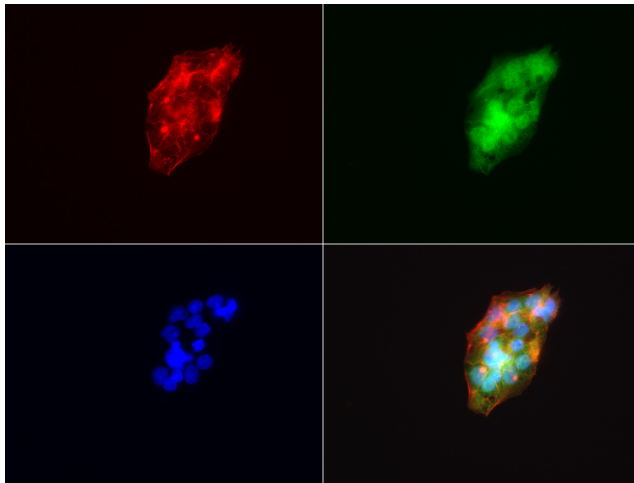
Western blot of cell lysates (35ug) from 9 different cell lines (1: HepG2, 2: HeLa, 3: SV-T2, 4: A549, 5: COS7, 6: Jurkat, 7: MDCK, 8: PC-12, 9: MCF7).



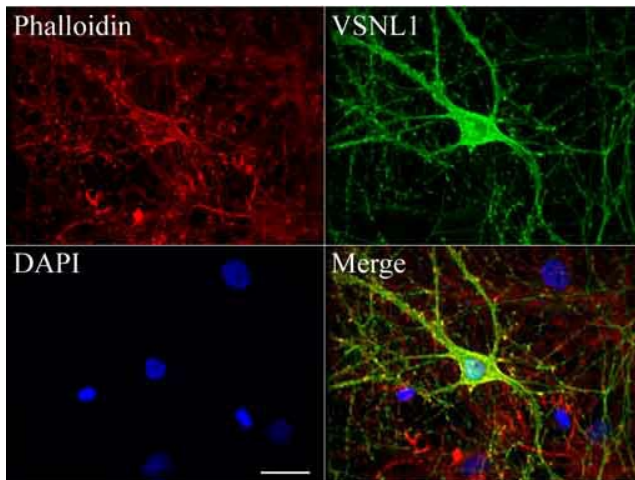
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Colon, 9: Spleen, 10: Thyroid). Dilution: 1:500.



Western blot of mouse tissue lysates (20ug) from Brian. Primary antibody dilution: 1:500. Secondary antibody dilution: Mouse TrueBlot® Ultra (1:1000).



Immunofluorescent staining of HepG2 cells using anti-VSNL1 mouse monoclonal antibody ([UM800035], green, 1:100). Actin filaments were labeled with Alexa Fluor® 594 Phalloidin (red), and nuclear with DAPI (blue).



Confocal immunofluorescence image of primary rat neurons labeled with anti-VSNL1 mouse monoclonal antibody ([UM800035], green, 1:100). Actin filaments were labeled with TRITC-Phalloidin (red), and nuclear with DAPI (blue). Scale bar, 20µm.