

ARG52470 anti-Visinin like 1 antibody [2D11]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2D11] recognizes Visinin like 1
Tested Reactivity	Hu, Ms, Rat, Bov
Tested Application	ICC/IF, IHC-Fr, WB
Host	Mouse
Clonality	Monoclonal
Clone	2D11
Isotype	IgG1
Target Name	Visinin like 1
Species	Human
Immunogen	Recombinant human VSNL1 purified from E. coli
Conjugation	Un-conjugated
Alternate Names	HPCAL3; HUVISL1; Visinin-like protein 1; HLP3; Hippocalcin-like protein 3; VILIP; VLP-1; VILIP-1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:500 - 1:1000
	IHC-Fr	1:500 - 1:1000
	WB	1:500 - 1:1000
Application Note	Specific for the ~22k protein * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

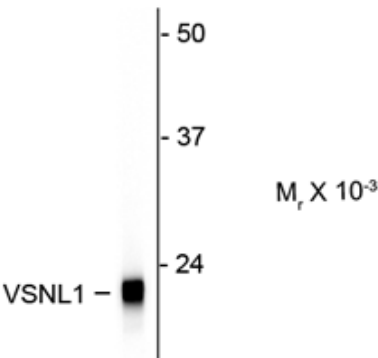
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	PBS and 10 mM Sodium azide
Preservative	10 mM Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

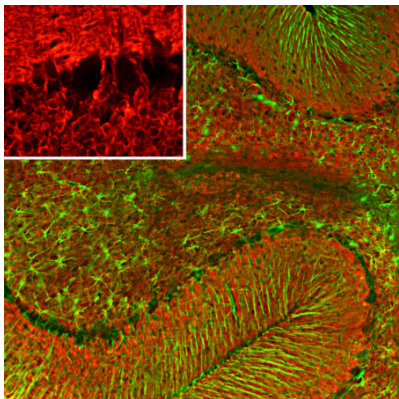
Gene Symbol	VSNL1
Gene Full Name	visinin-like 1
Background	Visinin-like protein 1 (VSNL1), also known as VILIP1, is a calcium sensor protein expressed exclusively in neurons. Highest levels of VSNL1 expression are found in cerebellar Purkinje cells. VSNL1 has been implicated in the modulation of cell signaling cascades via regulation of adenyl cyclase activity (Braunewell et al., 1997). Additionally, VSNL1 has been associated with amyloid plaques and neurofibrillar tangles in Alzheimer's disease (Schnurra et al., 2001).
Research Area	Cancer antibody; Signaling Transduction antibody
Calculated Mw	22 kDa

Images



ARG52470 anti-Visinin like 1 antibody [2D11] WB image

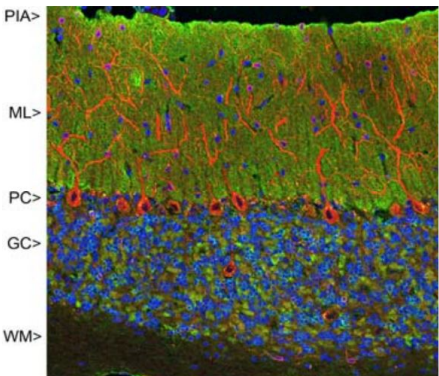
Western blot: Rat cerebellum lysate showing specific immunolabeling of the ~ 22k VSNL1 protein stained with ARG52470 anti-Visinin like 1 antibody [2D11].



ARG52470 anti-Visinin like 1 antibody [2D11] IHC-Fr image

Immunohistochemistry: Frozen section of Rat cerebellum tissue stained with ARG52470 anti-Visinin like 1 antibody [2D11] (red) at 1:500 dilution, and costained with anti-GFAP antibody (green) at 1:5000 dilution. DAPI (blue) for nuclear staining. Following transcardial perfusion of Rat with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 μM, and free-floating sections were stained with the above antibodies.

Clone 2D11 reveals protein expressed in granule cell membranes and in synapses in the white matter and molecular layers of the cerebellum. The GFAP antibody stains the processes of Bergmann glia and astroglia.



ARG52470 anti-Visinin like 1 antibody [2D11] IHC image

Immunohistochemistry: Rat cerebellum stained with ARG52470 anti-Visinin like 1 antibody [2D11] showing strong synaptic staining of VSNL1 (green) in the molecular layer (ML) and MAP2 stained with ARG52328 anti-MAP2 antibody in red.

ARG52470 anti-Visinin like 1 antibody [2D11] WB image

Western blot: Rat brain, Rat cerebellum and Mouse brain lysates stained with ARG52470 anti-Visinin like 1 antibody [2D11] (green) at 1:1000 dilution.

