



Rabbit Anti-VILIP1 antibody

SL6118R

Product Name:	VILIP1
Chinese Name:	神经视锥蛋白样1抗体(神经钙蛋白)
Alias:	VILIP-1; 21 kDa CABP; Hippocalcin like protein 3; HLP 3; HLP3; HPCAL 3; HPCAL3; HUVISL1; Neural visinin-like protein 1; Neural visinin-like type 1 protein; Neurocalcin alpha; NVL 1; NVL1; Nvp1; OZ1; Ratnvp1; VILIP; Visinin; Visinin like 1; Visinin like protein 1; VISL 1; VISL1; Vnsl1; VISL1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	22kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human VILIP1:121-191/191
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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.

Function:

Regulates (in vitro) the inhibition of rhodopsin phosphorylation in a calcium-dependent manner.

Tissue Specificity:

Brain and retina. Neuron-specific in the central and peripheral nervous system. Increased in the cerebrospinal fluid of Alzheimer disease patients (at protein level).

Similarity:

Belongs to the recoverin family.
Contains 4 EF-hand domains.

SWISS:

P62760

Gene ID:

7447

Database links:

[Entrez Gene: 396189](#) Chicken

[Entrez Gene: 282124](#) Cow

[Entrez Gene: 7447](#) Human

[Entrez Gene: 26950](#) Mouse

[Entrez Gene: 100173440](#) Orangutan

[Entrez Gene: 24877](#) Rat

[Omim: 600817](#) Human

[SwissProt: P62764](#) Chicken

[SwissProt: P62763](#) Cow

[SwissProt: Q4R5F7](#) Cynomolgus Monkey

[SwissProt: P62760](#) Human

[SwissProt: P62761](#) Mouse

[SwissProt: Q5RD22](#) Orangutan

[SwissProt: P62762](#) Rat

[Unigene: 444212](#) Human

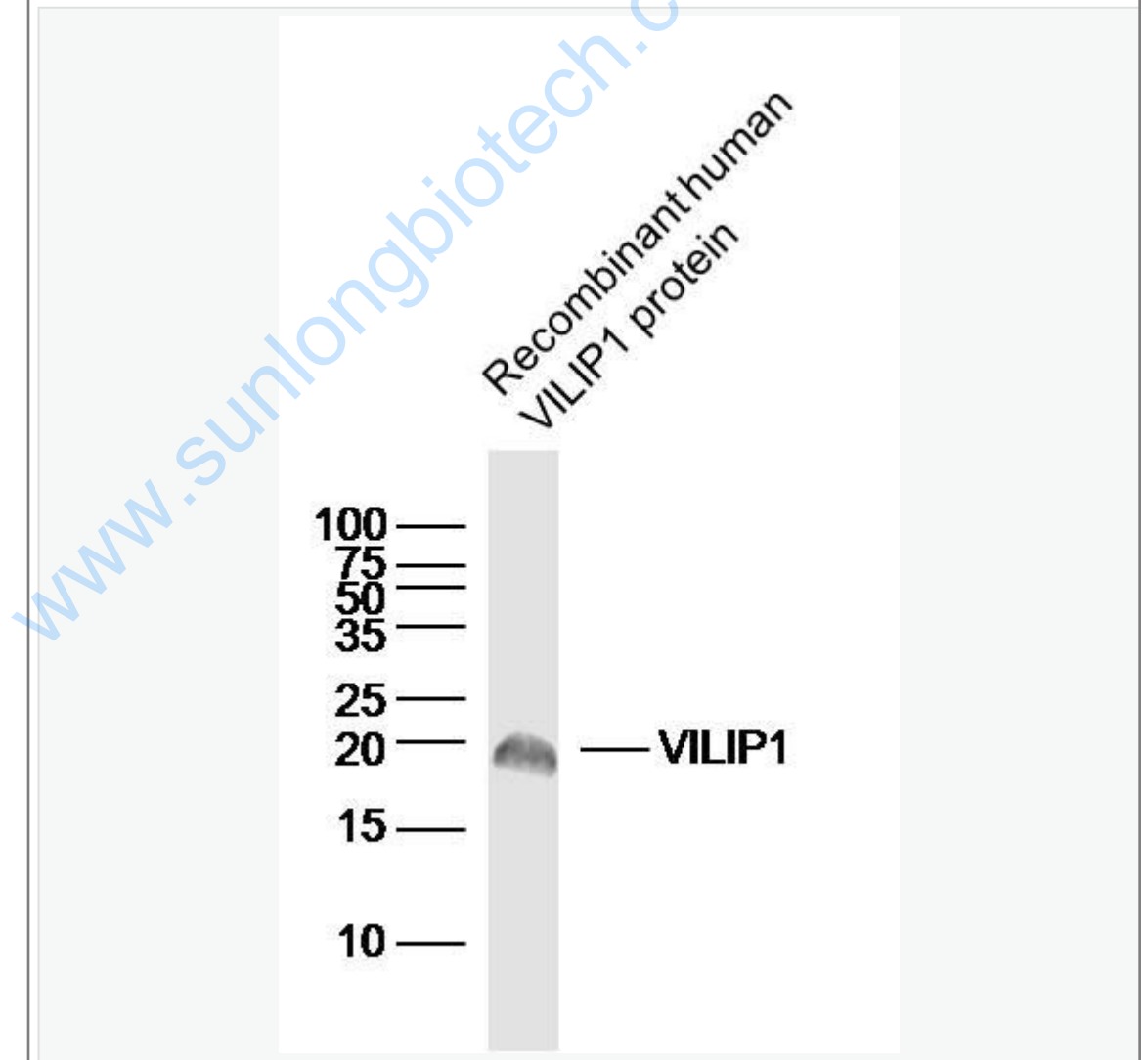
[Unigene: 27005](#) Mouse

[Unigene: 105934](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: Recombinant human VILIP1 protein at 100 ng

Primary: Anti-VILIP1 (SL6118R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 22 kD

Observed band size: 20 kD

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