

**VILIP3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP1563c****Specification**

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**VILIP3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P37235](#)**VILIP3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 3241**Other Names**

Hippocalcin-like protein 1, Calcium-binding protein BDR-1, HLP2, Visinin-like protein 3, VILIP-3, HPCAL1, BDR1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP1563c](/product/products/AP1563c) was selected from the Center region of human VILIP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**VILIP3 Antibody (Center) Blocking Peptide - Protein Information****Name** HPCAL1**Synonyms** BDR1**Function**

May be involved in the calcium-dependent regulation of rhodopsin phosphorylation.

**Cellular Location**

Membrane; Lipid-anchor

**VILIP3 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **VILIP3 Antibody (Center) Blocking Peptide - Images**

#### **VILIP3 Antibody (Center) Blocking Peptide - Background**

VILIP3 is a member of neuron-specific calcium-binding proteins family found in the retina and brain. It is highly similar to human hippocalcin protein and nearly identical to the rat and mouse hippocalcin like-1 proteins. It may be involved in the calcium-dependent regulation of rhodopsin phosphorylation and may be of relevance for neuronal signalling in the central nervous system. There are two alternatively spliced transcript variants of this gene, with multiple polyadenylation sites. Transcript variant 1 utilizes a different exon and also lacks one exon in the 5' UTR, as compared to variant 2; thus, the encoded protein is the same.

#### **VILIP3 Antibody (Center) Blocking Peptide - References**

Braunewell, K., et al., Dement Geriatr Cogn Disord 12(2):110-116 (2001). Bernstein, H.G., et al., J Neurocytol 28(8):655-662 (1999). Kobayashi, M., et al., Biochim. Biophys. Acta 1222(3):515-518 (1994). Hidaka, H., et al., Neurosci. Res. 16(2):73-77 (1993). Ivings, L., et al., Biochem. J. 363 (Pt 3), 599-608 (2002).