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VILIP3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP1563a

Specification

VILIP3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession P37235

VILIP3 Antibody (N-term) 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 AP1563a was selected from the N-term 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 (N-term) 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 (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

VILIP3 Antibody (N-term) Blocking Peptide - Images

VILIP3 Antibody (N-term) 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 varian 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 (N-term) 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).