



Datasheet for ABIN7043875

anti-VIPR1 antibody (Extracellular, N-Term)



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4 Images

Overview

Quantity:	25 µL
Target:	VIPR1
Binding Specificity:	AA 52-65, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VIPR1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)EEAQLENETIG(S)SK, corresponding to amino acid residues 52-65 of human VPAC1
Isotype:	IgG
Characteristics:	Anti-VPAC1 (VIPR1) (extracellular) Antibody (ABIN7043875, ABIN7045329 and ABIN7045330)) is a highly specific antibody directed against an epitope of human VIP and PACAP receptor 1. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, live cell imaging, and indirect flow cytometry applications. It has been designed to recognize VPAC1 from mouse, rat, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

Target:	VIPR1
Alternative Name:	VPAC1 (VIPR1) (VIPR1 Products)
Background:	Alternative names: VPAC1 (VIPR1), VIP and PACAP receptor 1, Vasoactive intestinal polypeptide receptor 1, Pituitary adenylate cyclase-activating polypeptide type II receptor, PACAP type II receptor, PACAP-R2
Gene ID:	7433
NCBI Accession:	NM_004624
UniProt:	P32241

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: 25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.

Concentration: 0.8 mg/mL

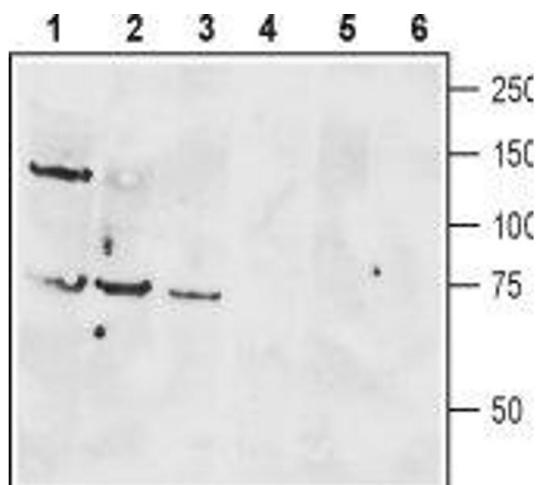
Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

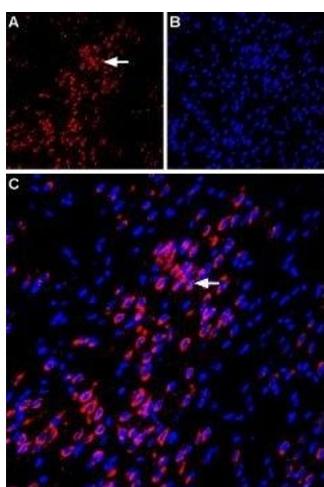
Storage: RT, 4 °C, -20 °C

Storage Comment: Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.
Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



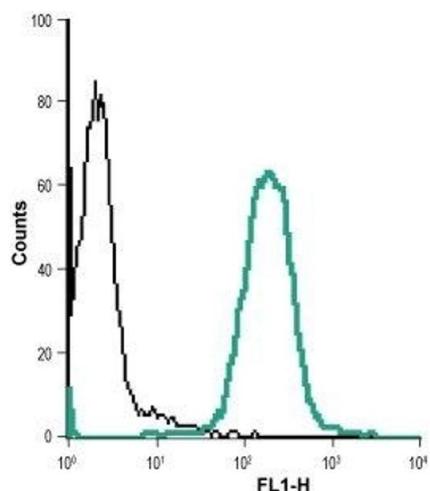
Western Blotting

Image 1. Western blot analysis of rat brain lysate (lanes 1 and 4), mouse brain membranes (lanes 2 and 5) and human Jurkat T cell leukemia cell lysate (lanes 3 and 6): - 1-3. Anti-VPAC1 (VIPR1) (extracellular) Antibody (ABIN7043875, ABIN7045329 and ABIN7045330), (1:400).4-6. Anti-VPAC1 (VIPR1) (extracellular) Antibody, preincubated with VPAC1/VIPR1 (extracellular) Blocking Peptide (#BLP-VR001).



Immunohistochemistry

Image 2. Expression of VPAC1 in rat amygdala - Immunohistochemical staining of immersion-fixed, free floating rat brain frozen sections using Anti-VPAC1 (VIPR1) (extracellular) Antibody (ABIN7043875, ABIN7045329 and ABIN7045330), (1:100). A. VPAC1 staining (red) is apparent in basolateral amygdala neurons (horizontal arrow). B. Cell nuclei in the same section are stained with DAPI (Blue). C. Merge of the two images.



Flow Cytometry

Image 3. Cell surface detection of VPAC1 in live intact Jurkat (human T cell leukemia cells) cell line: (black line) Cells + goat-anti-rabbit-DyLight-488. (green line) Cells + Anti-VPAC1 (VIPR1) (extracellular) Antibody (ABIN7043875, ABIN7045329 and ABIN7045330), (1:20) + goat-anti-rabbit-DyLight-488.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7043875.