Datasheet for ABIN7043877

anti-VIPR2 antibody (Extracellular, N-Term)

3 Images

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Overview

Quantity:	25 µL
Target:	VIPR2
Binding Specificity:	AA 25-37, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VIPR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: CRFHLEIQEEETK, corresponding to amino acid residues 25-37 of human VPAC2
Isotype:	IgG
Characteristics:	Anti-VPAC2 (VIPR2) (extracellular) Antibody is directed against an extracellular epitope of human VIP and PACAP receptor 2. Anti-VPAC2 (VIPR2) (extracellular) Antibody (ABIN7043877, ABIN7045331 and ABIN7045332)) can be used in western blot analysis, immunocytochemistry and indirect flow cytometry applications. It has been designed to recognize VPAC2 from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

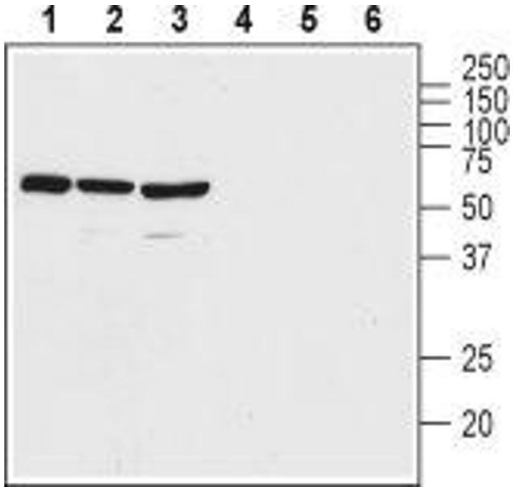
Target:	VIPR2
Alternative Name:	VPAC2 (VIPR2) (VIPR2 Products)
Background:	Alternative names: VPAC2 (VIPR2), VIP and PACAP receptor 2, Vasoactive intestinal polypeptide receptor 2, Helodermin-preferring VIP receptor, Pituitary adenylate cyclase-activating polypeptide type III receptor, PACAP type III receptor, PACAP-R3
Gene ID:	7434
NCBI Accession:	NM_003382
UniProt:	P41587
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

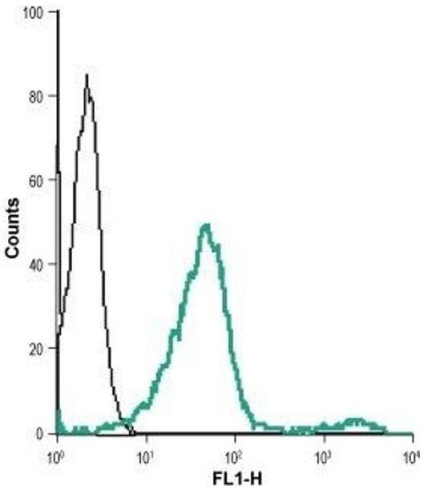
Handling

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 lysate (lanes 2 and 5), and human Malme-3M melanoma cell lysate (lanes 3 and 6): - 1-3. Anti-VPAC2 (VIPR2) (extracellular) Antibody (ABIN7043877, ABIN7045331 and ABIN7045332), (1:600).4-6. Anti-VPAC2 (VIPR2) (extracellular) Antibody, preincubated with VPAC2/VIPR2 (extracellular) Blocking Peptide (#BLP-VR002).



Flow Cytometry

Image 2. Cell surface detection of VPAC2 in live intact human Jurkat cell line: (black line) Cells + goat-anti-rabbit-DyLight-488. (green line) Cells + Anti-VPAC2 (VIPR2) (extracellular) Antibody (ABIN7043877, ABIN7045331 and ABIN7045332), (1:15) + goat-anti-rabbit-DyLight-488.

Immunocytochemistry

Image 3. Expression of VPAC2 in rat PC12 cells - Cell surface detection of VPAC2 in live intact rat pheochromocytoma (PC12) cells. A. Extracellular staining of cells with Anti-VPAC2 (VIPR2) (extracellular) Antibody (ABIN7043877, ABIN7045331 and ABIN7045332), (1:50), followed by goat anti-rabbit-AlexaFluor-594 secondary antibody (red). B. Live view of the cells. C. Merge of A and B.