Datasheet for ABIN1049455

anti-VIPR1 antibody (Cytoplasmic Domain)

2 Images

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Overview

Quantity:	50 µg
Target:	VIPR1
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VIPR1 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 16 amino acid peptide from 3rd cytoplasmic domain of human VIP Receptor 1. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%), Marmoset, Elephant, Rabbit (88%), Mouse, Rat, Bovine, Guinea pig (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human VIP Receptor 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey (100%) Marmoset, Elephant, Rabbit (88%) Mouse, Rat, Bovine, Guinea pig (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	VIPR1
Alternative Name:	VIPR1 (VIPR1 Products)
Background:	Name/Gene ID: VIPR1 Subfamily: Vasoactive intestinal polypeptide Family: GPCR Synonyms: VIPR1, HVR1, PACAP type II receptor, PACAP-R-2, Pvr2, RDC1, Vip receptor subtype 1, Vpac1 receptor, V1RG, VIP receptor 1, VIPR, VIRG, VPCAP1R, PACAP-R2, VAPC1, VIP and PACAP receptor 1, VPAC1R, Pacap receptor, type ii, Type II PACAP receptor, VIP receptor, type I, VIP-R-1, VIP1 receptor, VPAC1
Gene ID:	7433

Application Details

Application Notes:	Approved: IHC, IHC-P (10 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	**The IHC-pro Immunohistochemistry Protocol** **Tissue Preparation** Formalin fixation and embedding in paraffin wax **Tissue Sectioning** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene – 5 minutes each at room temperature. **Rehydration** Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature. Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature. Rinse slides in gentle running distilled water – 5 minutes at room temperature. **Antigen retrieval**

Application Details

	Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature. **Immunostaining** Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature. Wash slides in distilled water – 1 minute at room temperature. **Dehydrate** This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip
Restrictions:	For Research Use only

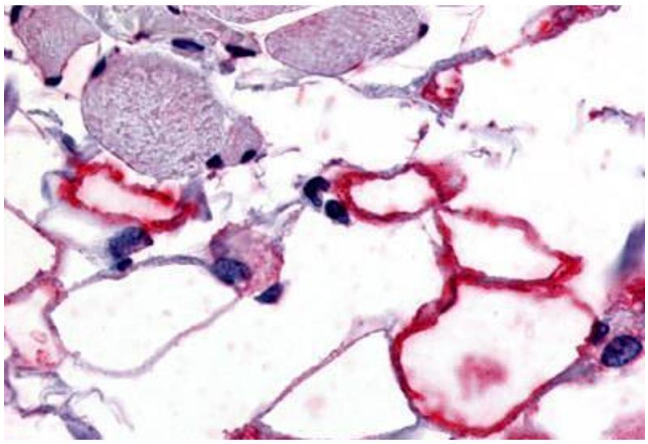
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

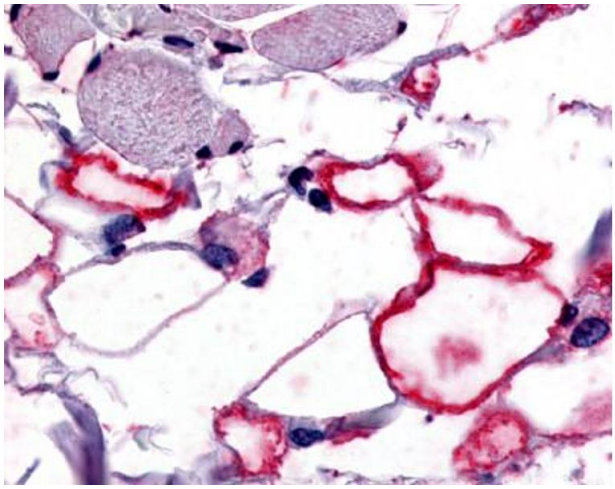
	should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-VIP Receptor 1 antibody ABIN1049455 IHC staining of human adipocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-VIP Receptor 1 antibody IHC of human adipocytes. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.