

Datasheet for ABIN1049457
anti-VIPR2 antibody (Internal Region)



[Go to Product page](#)

3 Images

Overview

Quantity:	50 µg
Target:	VIPR2
Binding Specificity:	Internal Region
Reactivity:	Human, Cow, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VIPR2 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 internal region of human VIPR2. Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Bovine (100%), Rat, Pig (94%), Mouse, Dog, Rabbit, Opossum (88%), Elephant (81%). Type of Immunogen: Synthetic peptide
Specificity:	Human VIPR2. 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, Marmoset, Bovine (100%) Rat, Pig (94%) Mouse, Dog, Rabbit, Opossum (88%) Elephant (81%).
Purification:	Immunoaffinity purified

Target Details

Target:	VIPR2
Alternative Name:	VPAC2 / VIPR2 (VIPR2 Products)
Background:	Name/Gene ID: VIPR2 Subfamily: Vasoactive intestinal polypeptide Family: GPCR Synonyms: VIPR2, C16DUPq36.3, DUP7q36.3, PACAP-R-3, Pvr3, Vip type-2 receptor, Vip-r2, Vip2 receptor, PACAP type III receptor, Pacap type-3, PACAP-R3, PACAPR-3, VIP and PACAP receptor 2, VIP-R-2, VIP2R, VPAC2, VPCAP2R, PACAP3, Vip2, VPAC2R
Gene ID:	7434
Pathways:	cAMP Metabolic Process

Application Details

Application Notes:	Approved: IHC, IHC-P (10 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after proteinase K antigen retrieval. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 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

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

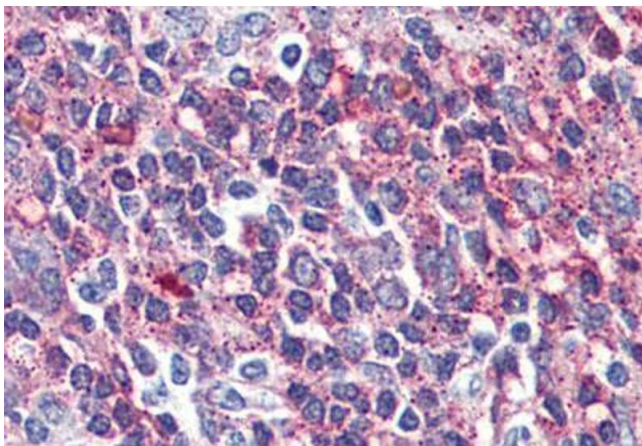
Restrictions:

For Research Use only

Handling

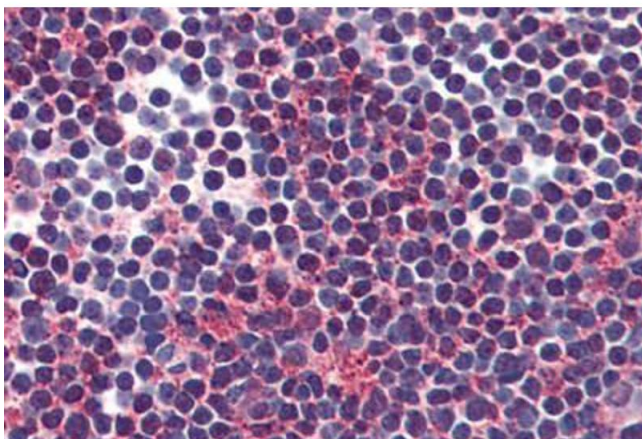
Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and 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



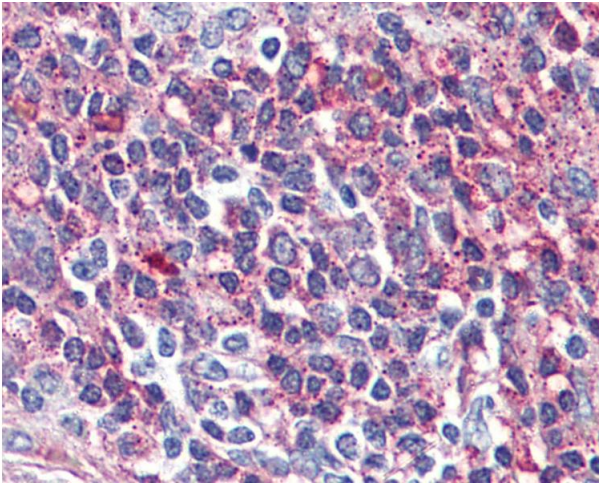
Immunohistochemistry

Image 1. Anti-VIPR2 antibody ABIN1049457 IHC staining of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-VIPR2 antibody ABIN1049457 IHC staining of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 3. Anti-VIPR2 antibody IHC of human spleen. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.