

Product datasheet

Anti-VIP antibody ab8556

4 References 1 Image

Overview

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<b>Product name</b>	Anti-VIP antibody
<b>Description</b>	Rabbit polyclonal to VIP
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody reacts with a 3 kD vasointestinal peptide (VIP) localized in nerve fibers in the central and peripheral nervous system. The VIP producing tumors are usually neuroblastomas of endocrine tumors in the pancreas.
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, IHC-P, ICC, IHC-FoFr
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Full length protein corresponding to Human VIP.
<b>Positive control</b>	IHC-P: Human nasal tissue.
<b>General notes</b>	This antibody detects ganglion cells in both the superficial and deep plexus of the wall of the small bowel in human.

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: 0.01% PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	After solid-phase absorption this antibody is filtered through a 0.22 µm filter, vialled and lyophilized.
<b>Primary antibody notes</b>	This antibody detects ganglion cells in both the superficial and deep plexus of the wall of the small bowel in human.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Light chain type</b>	unknown

## Applications

Our [Abpromise guarantee](#) covers the use of **ab8556** in the following tested applications.

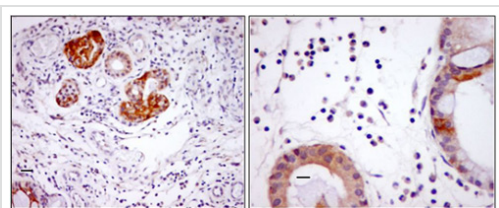
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
IHC-P		1/20.
ICC		1/50.
IHC-FoFr		Use at an assay dependent concentration. PubMed: 29751824

## Target

<b>Function</b>	VIP causes vasodilation, lowers arterial blood pressure, stimulates myocardial contractility, increases glycogenolysis and relaxes the smooth muscle of trachea, stomach and gall bladder. PHM and PHV also cause vasodilation.
<b>Sequence similarities</b>	Belongs to the glucagon family.
<b>Cellular localization</b>	Secreted.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VIP antibody (ab8556)

Image from El-Shazly AE et al., The Journal of Biological Chemistry, 288, 1374-1384. January 11, 2013. Fig 2.; doi: 10.1074/jbc.M112.422675. Epub 2012 Nov 20.

Immunohistochemical analysis of human nasal tissue with allergic chronic rhinosinusitis, staining VIP with ab8556.

Samples were blocked with blocking reagent for 10 minutes before incubating with primary antibody (1/50) at room temperature overnight. Staining was detected using DAB.

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