

Product datasheet

Anti-VIP antibody ab8556

[2 References](#) [1 Image](#)

Overview

Product name	Anti-VIP antibody
Description	Rabbit polyclonal to VIP
Specificity	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.
Tested applications	Suitable for: WB, IP, IHC-P, ICC
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Full length protein corresponding to Human VIP.
Positive control	Brain
General notes	This antibody detects ganglion cells in both the superficial and deep plexus of the wall of the small bowel in human.

Properties

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

Applications

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

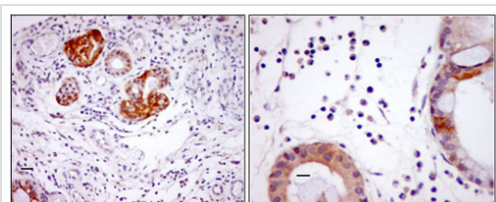
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

Target

Function	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.
Sequence similarities	Belongs to the glucagon family.
Cellular localization	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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