


Product datasheet

Anti-VPAC1 antibody [SP234] ab183312

Recombinant **RabMAb**

[5 Images](#)

Overview

Product name	Anti-VPAC1 antibody [SP234]
Description	Rabbit monoclonal [SP234] to VPAC1
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), IHC-P
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Pig 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human tonsil, and Rat spleen tissue; Flow Cyt (Intra): A431 cells.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Purity	Protein A/G purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP234
Isotype	IgG

Applications

The **Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab183312 in the following tested applications.

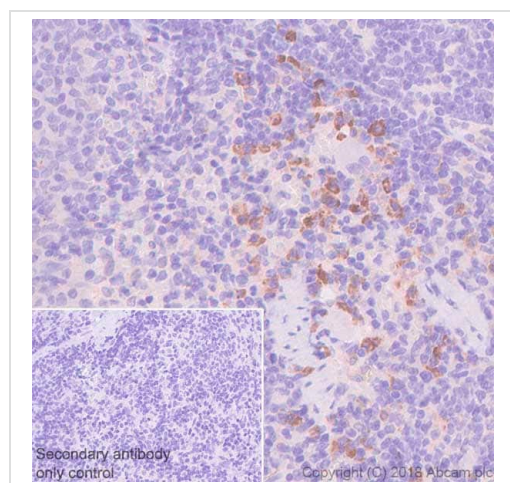
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/100. Primary antibody incubation for 30 minutes at 4°C.
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Primary antibody incubation for 10 minutes at room temperature.

Target

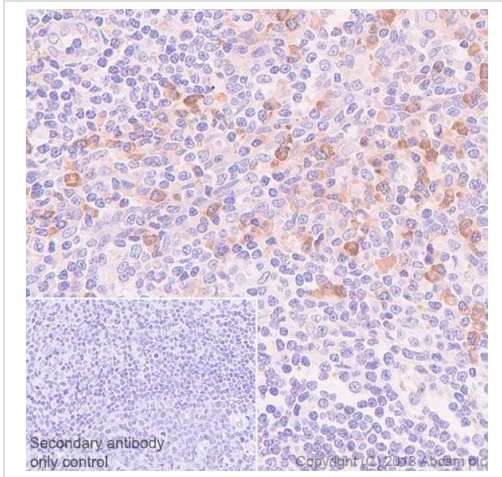
Function	This is a receptor for VIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The affinity is VIP = PACAP-27 > PACAP-38.
Tissue specificity	In lung, HT29 colonic epithelial cells, Raji B-lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. Not expressed in CD4+ or CD8+ T-cells. Expressed in the T-cell lines HARRIS, HuT 78, Jurkat and Tsup-1, but not in the T-cell lines PEER, MOLT-4, HSB and YT.
Sequence similarities	Belongs to the G-protein coupled receptor 2 family.
Cellular localization	Cell membrane.

Images



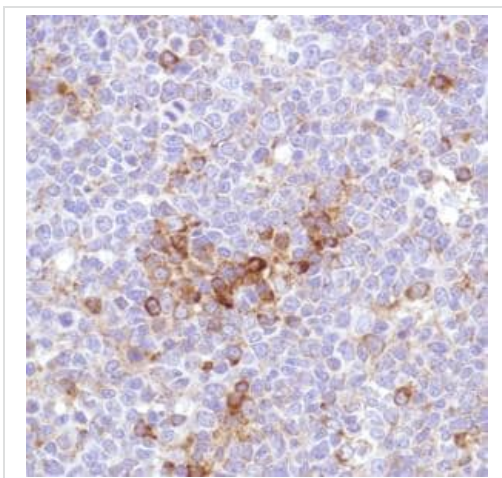
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Rat spleen tissue sections labeling VPAC1 with ab183312 at 1/100 dilution (1.01 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPAC1 antibody [SP234] (ab183312)



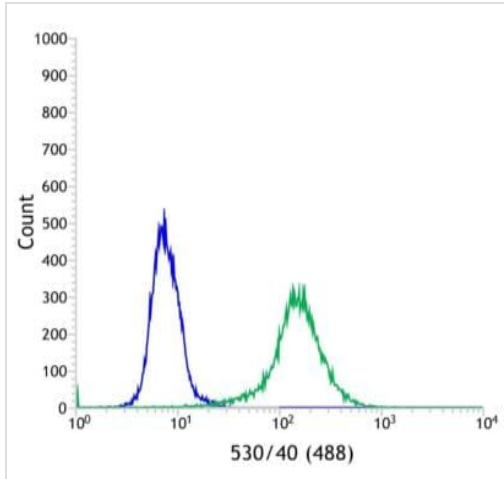
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human tonsil tissue sections labeling VPAC1 with ab183312 at 1/100 dilution (1.01 µg/ml). Heat mediated antigen retrieval was performed Heat mediated antigen retrieval with sodium citrate buffer (pH 6.0, epitope retrieval solution 1) for 10 mins. Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPAC1 antibody [SP234] (ab183312)



Formalin-fixed, paraffin-embedded human tonsil tissue stained for VPAC1 using ab183312 at 1/100 dilution in immunohistochemical analysis.





Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPAC1 antibody [SP234] (ab183312)



Flow cytometric analysis of A431 (Human epidermoid carcinoma cell line) cells labeling VPAC1 using ab183312 at 1/100 dilution (green) compared to a negative control rabbit IgG (blue)

Flow Cytometry (Intracellular) - Anti-VPAC1 antibody [SP234] (ab183312)

Why choose a recombinant antibody?

 Research with confidence Consistent and reproducible results	 Long-term and scalable supply Recombinant technology
 Success from the first experiment Confirmed specificity	 Ethical standards compliant Animal-free production

Anti-VPAC1 antibody [SP234] (ab183312)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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