


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, IHC-P
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse, Pig 
Immunogen	Synthetic peptide within Human VPAC1 aa 400 to the C-terminus. The exact sequence is proprietary. Database link: P32241
Positive control	IHC-P: Human tonsil, and Rat spleen tissue; Flow Cyt: A431 cells.
General notes	This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@abcam.com. This product was previously labelled as VIP Receptor 1, VIPR1

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team

ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

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	Immunogen affinity purified
Purification notes	Purified from TCS by protein A/G.
Clonality	Monoclonal
Clone number	SP234
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab183312** in the following tested applications.

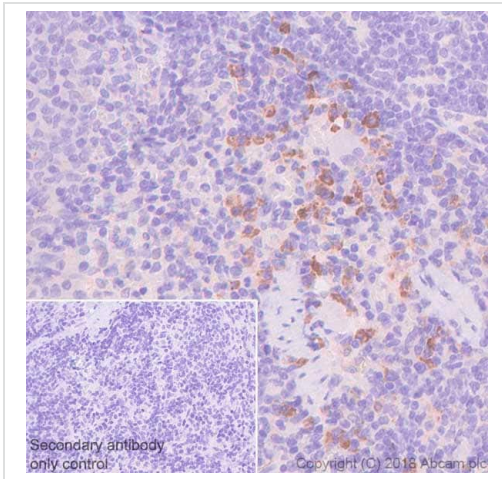
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		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

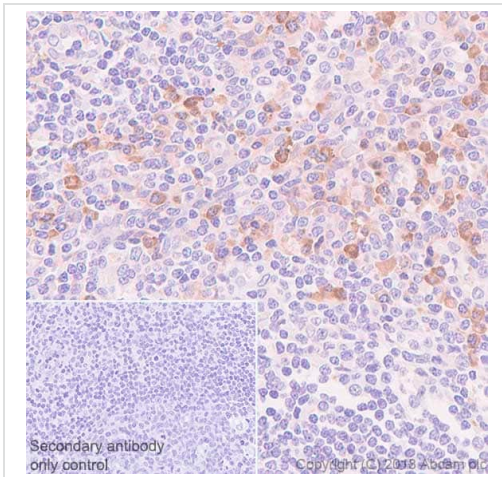
Function	This is a receptor for VIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The affinity is VIP = PACAP-27 > PACAP-38.
Tissue specificity	In lung, HT29 colonic epithelial cells, Raji B-lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. 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



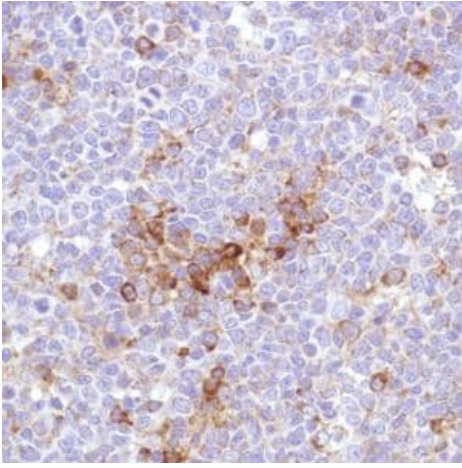
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPAC1 antibody [SP234] (ab183312)

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.



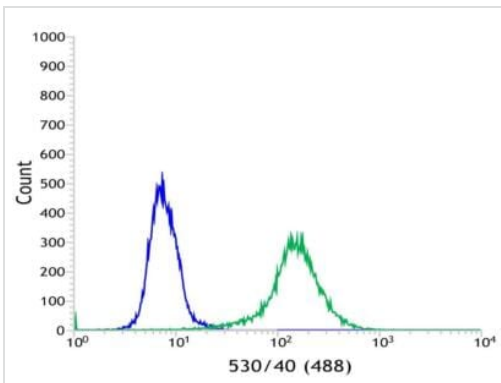
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-VPAC1 antibody [SP234] (ab183312)

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.



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 - 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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