

Product datasheet

Anti-PACAP receptor/ADCYAP1R1 antibody ab183103

[2 Images](#)

Overview

Product name	Anti-PACAP receptor/ADCYAP1R1 antibody
Description	Rabbit polyclonal to PACAP receptor/ADCYAP1R1
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human PACAP receptor/ADCYAP1R1 aa 1-100. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P41586-2 Run BLAST with Run BLAST with
Positive control	Hela cell, mouse stomach tissue and brain tissue lysates; Human tonsil tissue.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

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: 7.4 Preservative: 0.05% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 49% PBS (without Mg ²⁺ and Ca ²⁺)
Purity	Immunogen affinity purified

Clonality Polyclonal
Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab183103 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
IHC-P		1/50 - 1/200.
WB		1/1000 - 1/5000. Predicted molecular weight: 56 kDa.

Target

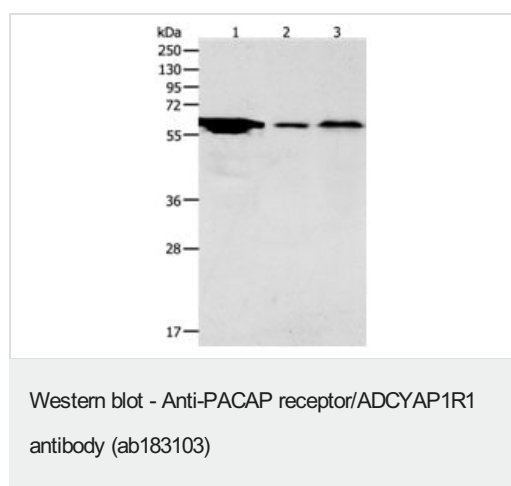
Function This is a receptor for PACAP-27 and PACAP-38. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. May regulate the release of adrenocorticotropin, luteinizing hormone, growth hormone, prolactin, epinephrine, and catecholamine. May play a role in spermatogenesis and sperm motility. Causes smooth muscle relaxation and secretion in the gastrointestinal tract.

Tissue specificity Most abundant in the brain, low expression in the lung, liver, thymus, spleen, pancreas and placenta.

Sequence similarities Belongs to the G-protein coupled receptor 2 family.

Cellular localization Cell membrane.

Images



All lanes : Anti-PACAP receptor/ADCYAP1R1 antibody (ab183103) at 1/2000 dilution

Lane 1 : Hela cell lysate

Lane 2 : Mouse stomach tissue lysate

Lane 3 : Mouse brain tissue lysate

Lysates/proteins at 40 µg per lane.

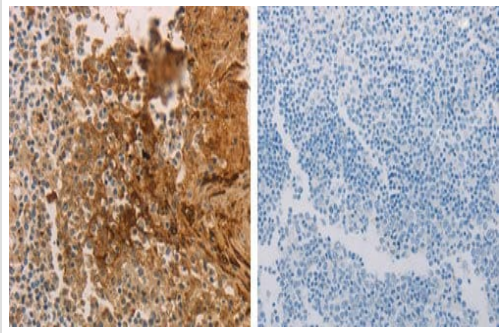
Secondary

All lanes : Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution

Predicted band size: 56 kDa

Exposure time: 5 minutes

10%SDS-PAGE



Immunohistochemical analysis of paraffin embedded Human tonsil tissue labeling ADCYAP1R1 with ab183103 at 1/70 dilution. Image on the right is treated with the synthetic peptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PACAP receptor/ADCYAP1R1 antibody (ab183103)

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

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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