Datasheet for ABIN7602909

anti-PACAP antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	PACAP (ADCYAP1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PACAP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-PACAP-38/ADCYAP1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human PACAP-38/ADCYAP1, identical to the related mouse and rat sequences.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-PACAP-38/ADCYAP1 Antibody Picoband® (ABIN7602909). Tested in Flow Cytometry, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	PACAP (ADCYAP1)
Alternative Name:	ADCYAP1 (ADCYAP1 Products)
Background:	Synonyms: Fibroblast growth factor 10, FGF-10, Keratinocyte growth factor 2, FGF10 Tissue Specificity: Expressed in numerous tissues with highest level in testis. Background: Pituitary adenylate cyclase-activating polypeptide also known as PACAP is a protein that in humans is encoded by the ADCYAP1 gene. This gene encodes a secreted proprotein that is further processed into multiple mature peptides. These peptides stimulate adenylate cyclase and increase cyclic adenosine monophosphate (cAMP) levels, resulting in the transcriptional activation of target genes. The products of this gene are key mediators of neuroendocrine stress responses. Alternative splicing results in multiple transcript variants.
Molecular Weight:	19 kDa
Gene ID:	116
UniProt:	P18509
Pathways:	Neurotrophin Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, Hormone Activity, cAMP Metabolic Process, Synaptic Membrane, Production of Molecular Mediator of Immune Response, Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Dorus, S., Vallender, E. J., Evans, P. D., Anderson, J. R., Gilbert, S. L., Mahowald, M., Wyckoff, G. J., Malcom, C. M., Lahn, B. T. Accelerated evolution of nervous system genes in the origin of Homo sapiens. Cell 119: 1027-1040, 2004. 2. Freson, K., Hashimoto, H., Thys, C., Wittevrongel, C., Danloy, S., Morita, Y., Shintani, N., Tomiyama, Y., Vermylen, J., Hoylaerts, M. F., Baba, A., Van Geet, C. The pituitary adenylate cyclase-activating polypeptide is a physiological inhibitor of platelet activation. J. Clin. Invest. 113: 905-912, 2004. 3. Hamelink, C., Tjurmina, O., Damadzic, R., Young, W. S., Weihe, E., Lee, H.-W., Eiden, L. E. Pituitary adenylate cyclase-activating polypeptide is a sympathoadrenal neurotransmitter involved in catecholamine regulation and glucohomeostasis. Proc. Nat. Acad. Sci. 99: 461-466, 2002.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.