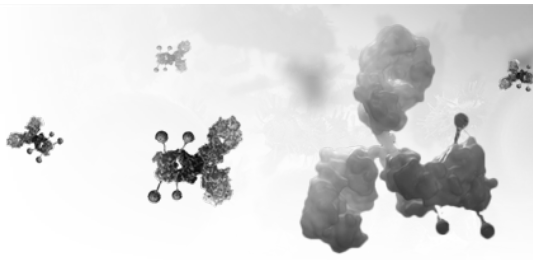

Anti-ADCYAP1 polyclonal antibody (DPAB2270RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Pituitary adenylate cyclase activating peptide
Antigen Description	Pituitary adenylate cyclase-activating polypeptide also known as PACAP is a protein that in humans is encoded by the ADCYAP1 gene. PACAP is similar to vasoactive intestinal peptide. One of its effects is to stimulate enterochromaffin-like cells. It binds to vasoactive intestinal peptide receptor.
Specificity	PACAP, originally isolated from ovine hypothalamus, belongs to the VIP-family of peptides. It occurs in two biologically active forms, PACAP-38 and PACAP-27. PACAP is abundant in the brain, but can be also found in the respiratory and gastrointestinal tra
Immunogen	Synthetic PACAP 38 (Pensinsula), conjugated to BSA
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IF
Positive Control	Stefanini-fixed frozen sections of rat duodenum or hypothalamus
Format	Undiluted rabbit serum (lyoph.)
Size	50 µl
Buffer	Dissolve the antiserum in 50 - 100 µl distilled water, and dilute further in 0.1 M PBS with 1% BSA and 0.1% NaN3.

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Preservative	None
Storage	At 2-8℃ (lyoph.) or at -20℃ (aliquots)

GENE INFORMATION

Gene Name	ADCYAP1 adenylate cyclase activating polypeptide 1 (pituitary) [Homo sapiens]
Official Symbol	ADCYAP1
Synonyms	ADCYAP1; PACAP; adenylate cyclase activating polypeptide 1 (pituitary); pituitary adenylate cyclase-activating polypeptide; MGC126852; OTTHUMP00000162201; PACAP 38; PRP-48; Pituitary adenylate cyclase-activating polypeptide 27; PACAP-27; PACAP27; Pituitary adenylate cyclase-activating polypeptide 38; PACAP-38; PACAP38
Entrez Gene ID	116
Protein Refseq	NP_001093203
UniProt ID	P18509
Chromosome Location	18p11
Pathway	Activation of TRKA receptors; Class B/2 (Secretin family receptors); GPCR downstream signaling; GPCR ligand binding; NGF signalling via TRKA from the plasma membrane; SIDS Susceptibility Pathways; Signaling by GPCR; Signalling by NGF
Function	neuropeptide hormone activity; peptide hormone receptor binding; receptor binding; receptor signaling protein activity

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