

PACAP Polyclonal Antibody

Catalog NumberPA1-36136

Product data sheet

Details		Tested Applications	Dilution *
Size	50 µL	Immunohistochemistry (Frozen) (IHC (F))	Assay-dependent
Host/Isotope	Rabbit / IgG		
Class	Polyclonal		
Type	Antibody		
Immunogen	Synthetic PACAP38 conjugated to BSA		
Conjugate	Unconjugated	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Form	Lyophilized		
Storage Conditions	4° C		

Product specific information

This antibody shows some cross-reactivity with PACAP 37. For immunostaining, we recommend using Stefanini-fixed frozen sections of rat duodenum and spinal cord as a positive control. Reconstitute with 50-100 ul of distilled water, and dilute further in 0.1M PBS with 1% BSA and 0.1% sodium azide.

Background/Target Information

ADCYAP1 is adenylate cyclase activating polypeptide 1. Mediated by adenylate cyclase activating polypeptide 1 receptors, this polypeptide stimulates adenylate cyclase and subsequently increases the cAMP level in target cells. Adenylate cyclase activating polypeptide 1 is not only a hypophysiotropic hormone, but also functions as a neurotransmitter and neuromodulator. In addition, it plays a role in paracrine and autocrine regulation of certain types of cells. This gene encodes three different mature peptides, including two isotypes, a shorter form and a longer form.

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