

Product datasheet for **AP55159SU-N**

PACAP receptor (ADCYAP1R1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/1000-1/5000. Immunohistochemistry: 1/100-1/1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from extracellular domain of Human PACAP-R-1 protein
Specificity:	This antibody reacts with the 53 kDa PACR protein. May cross-react with the protein from Mouse, Rat proteins and other species due to sequence homology.
Formulation:	0.1M Tris, 0.1M Glycine, 2% Sucrose State: Serum State: Lyophilized Serum
Reconstitution Method:	Restore in distilled water.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	ADCYAP receptor type I
Database Link:	Entrez Gene 117 Human P41586



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Background:

The PACAP receptor type 1, a member of the vasoactive intestinal polypeptide subfamily, binds the hormone pituitary adenylate cyclase activating polypeptide (PACAP) with high affinity. PACAP is involved in stimulating the secretion of insulin, catecholamines, ACTH, and growth hormone. Additionally, PACAP appears to function as a neuromodulator/neurotransmitter in the central and peripheral nervous systems. Two start codons are reported in literature, one (nt 74-76) results in a 525-amino acid protein with a signal peptide of 77 amino acids encoded by nt 74-304 and the second (nt 245-247) initiates a 468-amino acid protein with a signal peptide of 20-amino acids encoded by nt 245-304. The efficiency of these two start codons is not known.

Synonyms:

ADCYAP1R1