

## Goat anti-PACAP Antibody

Item Number	dAP-1904
Target Molecule	Principle Name: PACAP; Official Symbol: ADCYAP1; All Names and Symbols: ADCYAP1; adenylyl cyclase activating polypeptide 1 (pituitary); MGC126852; PACAP; OTTHUMP00000162201; adenylyl cyclase activating polypeptide; Accession Number (s): NP_001108.2; Human Gene ID(s): 116; Non-Human GenelD(s): 11516 (mouse) 24166 (rat)
Immunogen	GKRYKQRVKNKGRR, is from C Terminus Reported variants represent identical protein: NP_001093203.1, NP_001108.2.
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 2000.
Western Blot	Western Blot: Approx 25kDa band observed in Human Brain (Cerebral Cortex, Cerebellum and Hippocampus) lysates (calculated MW of 18.8kDa according to NP_001108.2). The observed molecular weight corresponds to earlier findings with different antibodies from
IHC	
Reference	Reference(s): Bourgault S, Vaudry D, Botia B, Couvineau A, Laburthe M, Vaudry H, Fournier A. Novel stable PACAP analogs with potent activity towards the PAC1 receptor. <i>Peptides</i> 2008 Jun 29 (6): 919-32..PMID: 18353507->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**