

Goat anti-Proenkephalin Antibody

Item Number	dAP-1248
Target Molecule	Principle Name: Proenkephalin; Official Symbol: PENK; All Names and Symbols: proenkephalin; PENK; Accession Number (s): NP_006202.1; Human Gene ID(s): 5179; Non-Human GeneID(s):
Immunogen	RSHHQDGSDNEE, is from internal region
Applications	Pep ELISA, WB, IHC 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 32000.
Western Blot	Western Blot: Approx 37kDa band observed in Human Adrenal Gland lysates (calculated MW of 30.8kDa according to NP_006202.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Normant and Loh, Endocrino
IHC	Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of dense enkephalinergic axon plexus and scattered neuronal cell bodies (higher magnification inset) in the human infundibular nucleus. Recommended concentration: 0.3-1µg/ml.
Reference	Reference(s): Schiltz CA, Bremer QZ, Landry CF, Kelley AE. Food-associated cues alter forebrain functional connectivity as assessed with immediate early gene and proenkephalin expression. <i>BMC Biol.</i> 2007 Apr 26;5:16.. PMID: 17462082 ->

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**