

Goat anti-Proenkephalin (mouse) Antibody

Item Number	dAP-1513
Target Molecule	Principle Name: Proenkephalin (mouse); Official Symbol: PENK; All Names and Symbols: proenkephalin; Accession Number (s): NP_001002927.1; Human Gene ID(s): ; Non-Human GeneID(s): 18619 (mouse) 29237 (rat)
Immunogen	YKDSSKQDESH, is from internal region
Applications	Pep ELISA, IHC Species Tested: Mouse, Rat
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: Preliminary experiments gave an approx 40kDa band in Rat Brain lysates after 0.2µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 30.8kDa
IHC	Immunohistochemistry: Frozen section of Rat Brain (Striatum) shows staining of dense enkephalinergic axon plexus. Frozen section of the Mouse Brain (Stria terminalis) shows staining of a dense enkephalinergic fibre network in the bed nucleus. Recommended
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**