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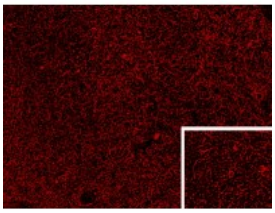
Proenkephalin Antibody

CATALOG NUMBER: 46-227

Western Blot (0.3ug/ml) staining of Human Adrenal Gland lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



Immunohistochemistry (0.3ug/ml) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, Cy3-staining. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC-P, WB
APPLICATIONS:	ELISA: antibody detection limit dilution 1:32000. 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, Endocrin 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, 0.3-1ug/ml.
POSITIVE CONTROL:	1) Cat. No. XBL-11050 - Human Adrenal Tissue Lysate
IMMUNOGEN:	Proenkephalin antibody was raised against a 12 amino acid synthetic peptide near the internal region of Proenkephalin.
HOST SPECIES:	Goat

Properties

PURIFICATION:	Proenkephalin antibody was purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
PHYSICAL STATE:	Liquid
BUFFER:	ProenkepH alin antibody is supplied in Tris saline, 0.02% sodium azide, pH 7.3 with 0.5% bovine serum albumin.
CONCENTRATION:	500 ug/mL
STORAGE CONDITIONS:	Aliquot and store at -20˚C. Minimize freezing and thawing.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	proenkephalin, PENK,
ACCESSION NO.:	NP_006202.1
PROTEIN GI NO.:	5453876
OFFICIAL SYMBOL:	PENK
GENE ID:	5179

Background

REFERENCES:	1) Schiltz CA, Bremer QZ, Landry CF, Kelley AE. Food-associated cues alter forebrain functional connectivity as assessed with immediate early gene and proenkephalin expression. BMC Biol. 2007 Apr 26;5:16.

FOR RESEARCH USE ONLY

December 13, 2016