

Product Datasheet

Proenkephalin Antibody NBP1-20963

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-20963**Proenkephalin Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

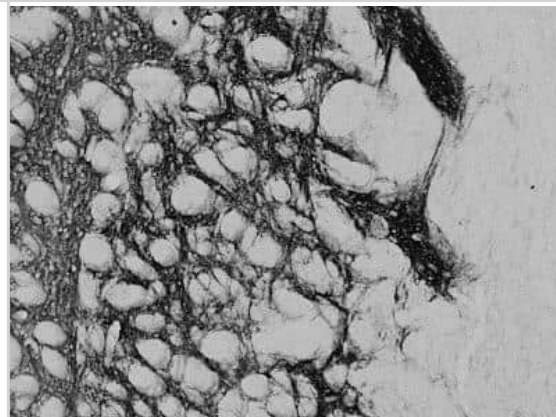
Product Description	
Host	Goat
Gene ID	5179
Gene Symbol	PENK
Species	Mouse, Rat
Immunogen	Peptide with sequence C-YKDSSKQDESH corresponding to internal region according to Uniprot Mouse NP_001002927.1.

Product Application Details	
Applications	Immunohistochemistry, Immunohistochemistry-Frozen, Peptide ELISA
Recommended Dilutions	Immunohistochemistry 0.02 - 0.05 ug/ml, Immunohistochemistry-Frozen 0.02-0.05 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Preliminary experiments gave an approx. 40 kDa band in rat brain lysates after 0.2 ug/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 30.8 kDa band according to mouse NP_001002927.1 and 30.9 kDa band according to rat NP_058835.1. The 40 kDa band was successfully blocked by incubation with the immunizing peptide. IHC-Fr: Rat brain (striatum) shows staining of dense enkephalinergic axon plexus. Mouse brain (stria terminalis) shows staining of a dense enkephalinergic fibre network in the bed nucleus.

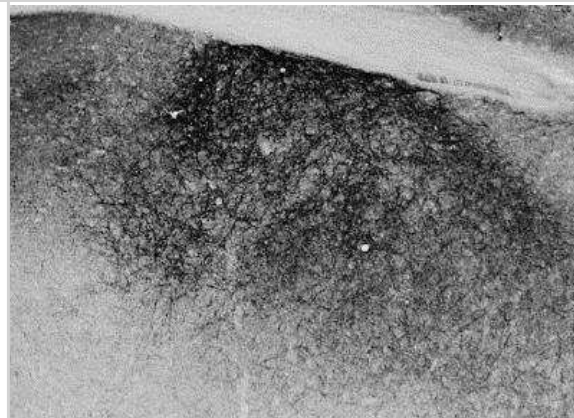


Images

Immunohistochemistry-Frozen: Proenkephalin Antibody [NBP1-20963] - Staining of PFA-perfused cryosection of Rat Striatum. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.



Immunohistochemistry-Frozen: Proenkephalin Antibody [NBP1-20963] - Staining of PFA-perfused cryosection of Mouse Stria terminalis. HRP-staining with Ni-DAB after Biotin-SP-anti-goat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.



Publications

Kim H, Kim D, Ha C Et al. Transcriptional Regulatory Role of NELL2 in Preproenkephalin Gene Expression Mol Cells 2022-08-11 [PMID: 35950455]

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 2007-04-26 [PMID: 17462082]



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Products Related to NBP1-20963

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBL1-14289	Proenkephalin Overexpression Lysate

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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