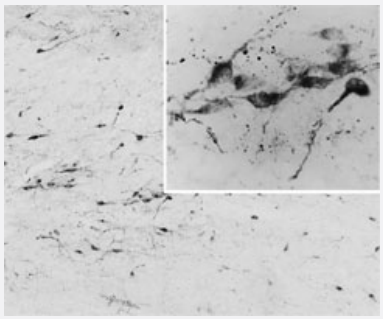
AGRP polyclonal antibody

Catalog # PAB6775 Size 100 ug

Applications



Immunohistochemistry (Frozen sections)

AGRP polyclonal antibody (Cat # PAB6775) (0.05 ug/mL) staining of PFA-perfused cryosection of human hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80°C for 30 min, HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification.
Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of AGRP.
Immunogen	A synthetic peptide corresponding to C-terminus of human AGRP.
Sequence	CRKLGTAMNPCSRT
Host	Goat
Theoretical MW (kDa)	14.4, 14.4
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (as represented by NP_001129, NP_015531).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL

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Recommend Usage	ELISA (1:32000) Immunohistochemistry (Frozen sections) (0.05-0.1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 0.5 mg/mL Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Frozen sections)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — AGRP

Entrez GeneID	181
Protein Accession#	NP_001129.1;NP_015531.1
Gene Name	AGRP
Gene Alias	AGRT, ART, ASIP2, MGC118963
Gene Description	agouti related protein homolog (mouse)
Omim ID	601665 602311
Gene Ontology	Hyperlink
Gene Summary	Agouti-related protein is an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appe ars to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracell ular calcium regulation. Agouti-related protein is alternatively spliced into 2 variants which differ in 5' untranslated sequence length. [provided by RefSeq
Other Designations	Agouti-related transcript, mouse, homolog of|agouti related protein homolog

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Publication Reference

- Effects of fasting, leptin, and insulin on AGRP and POMC peptide release in the hypothalamus.

  Breen TL, Conwell IM, Wardlaw SL.

  Brain Research 2005 Jan; 1032(1-2):141.

  Application: RIA, Rat, Hypothalamus culture media

Pathway

- Adipocytokine signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Body Weight
- Bulimia
- Diabetes Mellitus
- Genetic Predisposition to Disease
- NARP
- Obesity
- Overweight
- Psychiatric Status Rating Scales
- Thinness
- Weight Gain

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