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AGRP / Agouti-related protein Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2437a

Specification

AGRP / Agouti-related protein Antibody (C-Term) - Product Information

Application	**IHC**
Primary Accession	O00253
Other Accession	NP_001129.1, NP_015531.1, 181
Reactivity	**Human**
Predicted	**Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**14440**

AGRP / Agouti-related protein Antibody (C-Term) - Additional Information

Gene ID 181

Other Names
Agouti-related protein, AGRP, AGRT, ART

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AGRP / Agouti-related protein Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

AGRP / Agouti-related protein Antibody (C-Term) - Protein Information

Name AGRP

Synonyms AGRT, ART

Function
Plays a role in weight homeostasis. Involved in the control of feeding behavior through the central melanocortin system. Acts as alpha melanocyte-stimulating hormone antagonist by inhibiting cAMP production mediated by stimulation of melanocortin receptors within the hypothalamus and adrenal gland. Has very low activity with MC5R (By similarity). Is an inverse agonist for MC3R and MC4R being able to suppress their constitutive activity. It promotes MC3R and MC4R endocytosis

in an arrestin-dependent manner.

Cellular Location
Secreted. Golgi apparatus lumen

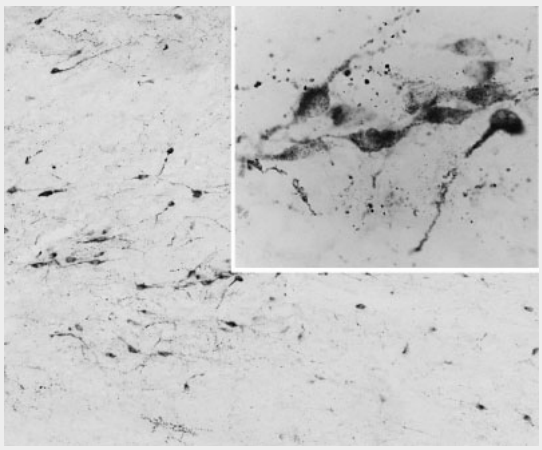
Tissue Location
Expressed primarily in the adrenal gland, subthalamic nucleus, and hypothalamus, with a lower level of expression occurring in testis, lung, and kidney

AGRP / Agouti-related protein Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AGRP / Agouti-related protein Antibody (C-Term) - Images



AF2437a (0.05 µg/ml) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, HRP-staining with Ni-DAB after Biotin-SP-antigoat amplification. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

AGRP / Agouti-related protein Antibody (C-Term) - Background

This antibody is expected to recognise both reported isoforms (as represented by NP_001129; NP_015531)

AGRP / Agouti-related protein Antibody (C-Term) - References

Effects of fasting, leptin, and insulin on AGRP and POMC peptide release in the hypothalamus. Breen TL, Conwell IM, Wardlaw SL. Brain Res. 2005 Jan 25;1032(1-2):141-8. PMID: 15680952