

**AGRP / Agouti-related protein Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2437a****Specification**

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

Application	IHC, E
Primary Accession	<a href="#">O00253</a>
Other Accession	<a href="#">NP_001129.1</a> , <a href="#">NP_015531.1</a> , <a href="#">181</a>
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

**Dilution**

IHC~~1:100~500

E~~N/A

**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

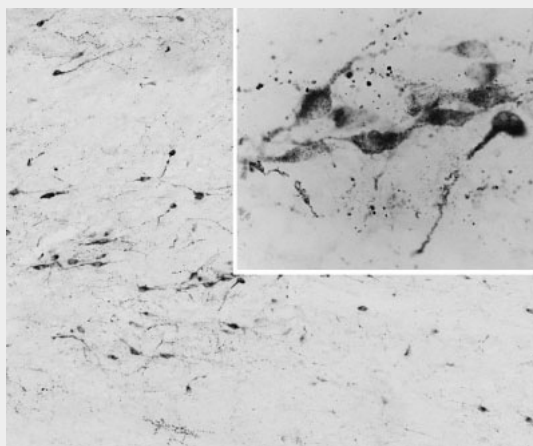
**Tissue Location**

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 Cytometry](#)
- [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