

## Goat anti-AGRP / Agouti-related protein Antibody

<b>Item Number</b>	dAP-0644
<b>Target Molecule</b>	Principle Name: AGRP / Agouti-related protein; Official Symbol: AGRP; All Names and Symbols: AGRP; ART; AGRT; ASIP2; agouti related protein homolog (mouse); agouti (mouse) related protein; Agouti-related transcript, mouse, homolog of; MGC118963; agouti related protein homolog; Accession Number (s): NP_001129.1; NP_015531.1; Human Gene ID(s): 181; Non-Human GeneID(s):
<b>Immunogen</b>	CRKLG TAMNPCSRT, is from C Terminus This antibody is expected to recognise both reported isoforms (as represented by NP_001129; NP_015531)
<b>Applications</b>	Pep ELISA, IHC  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 32000.
<b>Western Blot</b>	Western Blot: Preliminary experiments gave bands at approx 45kDa and 24kDa in Human Brain lysates after 0.1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated s
<b>IHC</b>	Immunohistochemistry: Frozen section of Human Hypothalamus shows staining of a group of neuronal cell bodies in the human infundibular (arcuate) nucleus and their varicose axons. Recommended concentration: 0.05-0.1µg/ml.
<b>Reference</b>	Reference(s): Breen TL, Conwell IM, Wardlaw SL. Effects of fasting, leptin, and insulin on AGRP and POMC peptide release in the hypothalamus. Brain Res. 2005 Jan 25;1032(1-2):141-8. .PMID: 15680952 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**