

UK Office

Everest Biotech Ltd

Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD
UK

Enquiries:

info@everestbiotech.com

Sales:

sales@everestbiotech.com

Tech support:

support@everestbiotech.com

Tel: +44 (0)1869 238326

www.everestbiotech.com

**Research Use Only. Not for
diagnostic or therapeutic use.**

EB06725 - Goat Anti-AGRP / Agouti-related protein Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: AGRP, ART, AGRT, ASIP2, agouti related protein homolog (mouse), agouti (mouse) related protein, Agouti-related transcript, mouse, homolog of, MGC118963, agouti related protein homolog

Official Symbol: AGRP

Accession Number(s): NP_001129.1; NP_015531.1

Human GeneID(s): [181](#)

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

Immunogen

Peptide with sequence CRKLG TAMNPCSRT, from the C Terminus of the protein sequence according to NP_001129.1; NP_015531.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

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 size of 14.4kDa according to NP_001129.1 and NP_015531.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands).

IHC: 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.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Dog, Pig

EB06725 (0.05µg/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.