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EB06725 - Goat Anti-AGRP / Agouti-related protein

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 CRKLGTAMNPCSRT, 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. Thiese bands were successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note that we cannot currently find an explanation in the literature given the calculated size of 14.4kDa according to NP_001129.1and NP_015531.1.

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

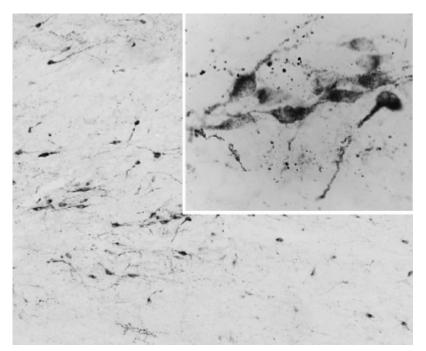
Specific Reference

This antibody has been successfully used as a specificity control in the following paper:

Katalin Skrapits, Beáta Á Borsay, László Herczeg, Philippe Ciofi, Stephen R Bloom, Mohammad A Ghatei, Waljit S Dhillo, Zsolt Liposits, Erik Hrabovszky Colocalization of Cocaine- and Amphetamine-Regulated Transcript with Kisspeptin and Neurokinin B in the Human Infundibular Region

PLoS One. 2014 Aug 1;9(8):e103977.

PMID: 25084101



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.