BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-AGRP Antibody

Catalog Number: A00272-1

About Agrp

Agouti-related protein (AgRP), also called agouti-related peptide, is a neuropeptide produced in the brain by the AgRP/NPY neuron. In humans, the agouti-related peptide is encoded by the AGRP gene. This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in weight homeostasis. Mutations in this gene have been associated with late on-set obesity.

Submit a product review to Biocompare.com





Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-AGRP Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-AGRP Antibody catalog # A00272-1. Tested in ELISA, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P56473

Technical Details

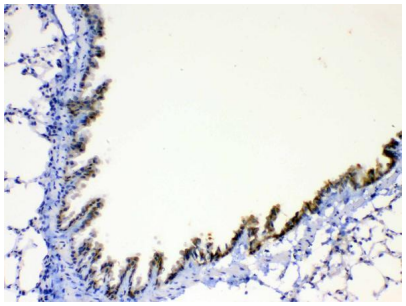
Immunogen	E. coli-derived mouse AGRP recombinant protein (Position: S82-T131).
Recommended Detection Systems	Boster recommends HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

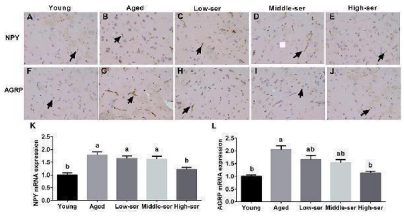
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml ELISA, 0.1-0.5ug/ml

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

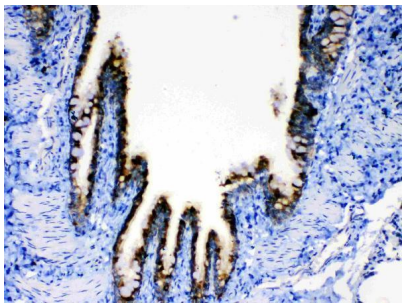
Anti-AGRP Antibody (A00272-1) Images



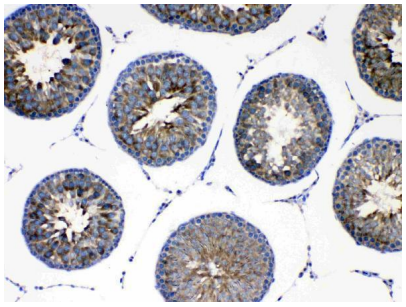
IHC analysis of AGRP using anti-AGRP antibody (A00272-1). AGRP was detected in paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-AGRP Antibody (A00272-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



Effects of long-term L -serine administration on orexigenic neuropeptide expression in aging mice. NPY (A–E) and AGRP (F–J) expression as determined by immunohistochemistry; relative NPY (K) and AGRP (L) mRNA expression. Aged, untreated control mice; Low-ser, mice supplemented with 0.1% (wt/vol) L -serine dissolved in the drinking water; Middle-ser, mice supplemented with 0.2% (wt/vol) L -serine dissolved in the drinking water; High-ser, mice supplemented with 0.5% (wt/vol) L -serine dissolved in the drinking water. Young, adult male mice at the age of 18 months. Arrow (yellow), expression of target proteins; NPY, neuropeptide Y; AGRP, agouti-related protein. Values are expressed as mean ± SEM, n = 8; a, b Means of the bars with different letters were significantly different among groups ($P < 0.05$).Index in PubMed under a CC BY license. PMID: 30190704



IHC analysis of AGRP using anti-AGRP antibody (A00272-1). AGRP was detected in paraffin-embedded section of rat lung tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-AGRP Antibody (A00272-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



IHC analysis of AGRP using anti-AGRP antibody (A00272-1). AGRP was detected in paraffin-embedded section of rat testis tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-AGRP Antibody (A00272-1) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

SA1022) with DAB as the chromogen.

1 Publications Citing This Product

1. PubMed ID: 30190704, Long-Term l-Serine Administration Reduces Food Intake and Improves Oxidative Stress and Sirt1/NF%u03BAB Signaling in the Hypothalamus of Aging Mice

Visit bosterbio.com/anti-agrp-picoband-trade-antibody-a00272-1-boster.html to see all 1 publications.

For Research Use Only. Not for use in diagnostic procedures.