

Rabbit AGRP/Art Polyclonal Antibody | anti-AGRP/Art antibody

Anti-AGRP/Art Picoband antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124560	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunohistochemistry, ELISA

PRODUCT SYNONYMS

AGRP/Art; Polyclonal Antibody; Anti-AGRP/Art Picoband antibody; Agouti-related protein; Agrp; Agrt; Art; anti-AGRP/Art antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	131
Applicable Applications for anti-AGRP/Art antibody	IHC (Immunohistochemistry), ELISA
Immunogen	E Coli-derived mouse AGRP recombinant protein (Position: S82-T131).
Subcellular Localization	Secreted.
Tissue Specificity	Expressed in arcuate nucleus and median eminence, adrenal gland (medulla), hypothalamus, testis, and lung.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

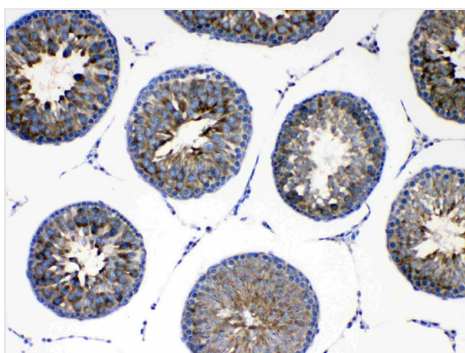

IHC (Immunohistochemistry)

Figure 3. IHC analysis of AGRP using anti-AGRP antibody (AAA124560). 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 (AAA124560) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

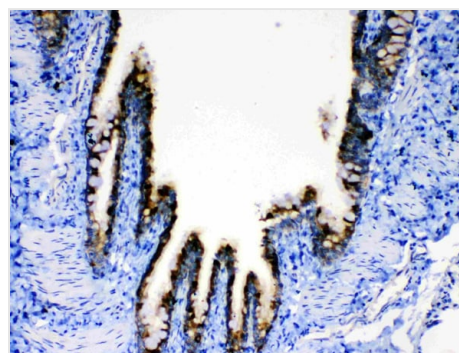
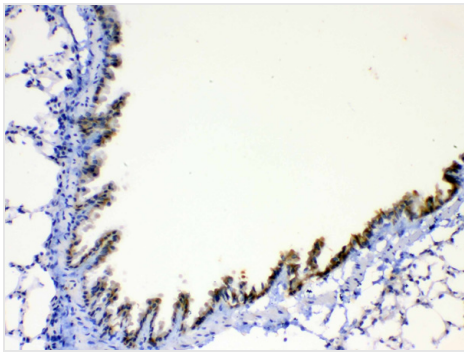

IHC (Immunohistochemistry)

Figure 2. IHC analysis of AGRP using anti-AGRP antibody (AAA124560). 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 (AAA124560) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 1. IHC analysis of AGRP using anti-AGRP antibody (AAA124560). 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 (AAA124560) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-AGRP/Art antibody	Description: 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. Protein 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. Is an inverse agonist for MC3R and MC4R being able to suppress their constitutive activity (By similarity). It promotes MC3R and MC4R endocytosis in an arrestin-dependent manner (By similarity).
Product Categories/Family for anti-AGRP/Art antibody	Signal Transduction; Signaling Pathway; Calcium Signaling; Neuroscience; Neurology Process; Metabolism; endocrine system; hypothalamic pituitary adrenal axis; Cardiovascular; Lipids/Lipoproteins; Fatty Acids; Metabolism; Pathways and Processes; Metabolic

NCBI AND UNIPROT INFORMATION

NCBI GI #	424036681
NCBI GeneID	11604
NCBI Accession #	NP_001258735.1
NCBI GenBank Nucleotide #	NM_001271806.1
UniProt Accession #	P56473; O35967
Molecular Weight	14,432 Da
NCBI Official Full Name	agouti-related protein
NCBI Official Synonym Full Names	agouti related neuropeptide
NCBI Official Symbol	Agrp
NCBI Official Synonym Symbols	Art; Agrt
NCBI Protein Information	agouti-related protein
UniProt Protein Name	Agouti-related protein
UniProt Gene Name	Agrp

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/agrp-art-antibody-immunohistochemistry-elisa/124560>