

Basic Information

Product Name	Anti-AGRP Antibody		
Gene Name	AGRP		
Source	Rabbit		
Clonality	Polyclonal		
Isotype	IgG		
Species Reactivity	human, mouse, rat		
Tested Application	IHC, ELISA		
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.		
Immunogen	E. coli-derived mouse AGRP recombinant protein (Position: S82-T131). Mouse AGRP shares 94% and 89.5% amino acid (aa) sequence identity with human and rat AGRP, respectively.		
Concentration	500 ug/ml		
Purification	Immunogen affinity purified.		
Dilution Ratios	Immunohistochemistry (IHC):		1:50-400
	Enzyme linked immunosorbent assay (ELISA):		1:100-1000
	(Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.		

Storage

12 months from date of receipt, -20°C as supplied.

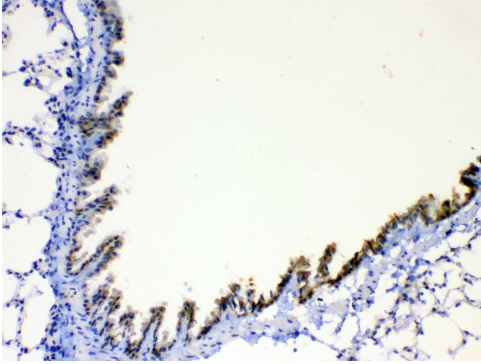
Background Information

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.

Reference

Anti-AGRP Antibody被引用在1文献中。

Selected Validation Data



IHC analysis of AGRP using anti-AGRP antibody (A00272-1).

AGRP was detected in a paraffin-embedded section of mouse lung tissue.

Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-AGRP Antibody (A00272-1) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.