

Anti-Agouti related protein (AGRP) Antibody



Product Details

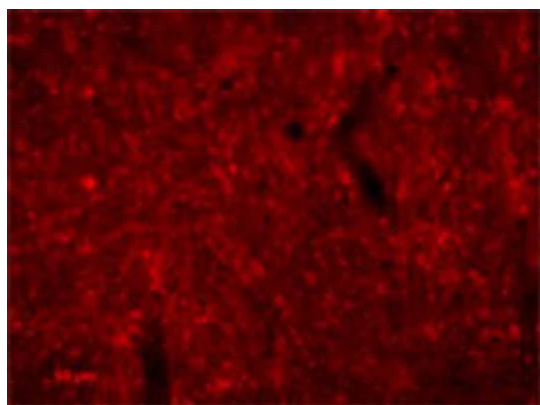
Available Variants	50 µL (SKU:GP-029-50)
Conjugate	Unconjugated
Isotype	Mixed
Host Species	Guinea Pig
Format	Whole serum
Physical State	Lyophilized
Production Notes	Neat serum
Applications	IHC
Dilution Ranges	IHC: 1:1000-1:2000
Species Reactivity	Human, Mouse, Rat, Sheep
Immunogen	A synthetic peptide (SPRRCVRLHESCLGQQVPCCDPCATCYCRFFNAFCYCRKLGATNLCST) corresponding to a region (82-131) within the carboxy domain of mouse agouti related protein. This peptide was conjugated to carrier protein to enhance the immunological response.
Specificity	Specificity was demonstrated by immunohistochemistry. This antibody is known to react with human, rat and sheep. Other species have not yet been tested.
Storage	Spin vial briefly before opening. Reconstitute in 50 µL sterile-filtered, ultrapure water. Centrifuge to remove any insoluble material. Store lyophilized antibody at 2-8°C or lower. After reconstitution, divide into aliquots and store at -20°C, or lower, for optimal long term stability. It is recommended that a reconstituted aliquot is stored at 2-8°C for no longer than 2 weeks. Allocation of an appropriate anti-bacterial agent can increase shelf life by several weeks. Glycerol (1:1) can be added to neat serum for additional stability if intended use does not prevent this.

UniProt ID	<u>P56473</u>
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (lyophilized, unopened vial).
Usage Statement	For research use only.

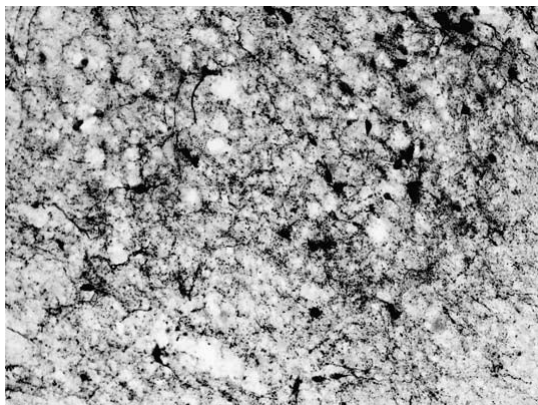
Product Images



The 4% PFA fixed, frozen cryostat section of the sheep hypothalamus was incubated in guinea pig polyclonal antibodies to the mouse AGRP protein at the dilution of 1:1000 overnight followed by incubation with biotinylated secondary antibodies. Cell bodies and nerve terminals in the sheep brain are intensely stained. This figure shows staining of cells when no pre-absorption is performed.



Immunohistochemical detection of AGRP in the arcuate nucleus of rat brain using Guinea pig polyclonal antibody to mouse agouti related protein (GP-029-50) incubated at the dilution of 1:1000-2000 in PBS overnight followed by incubation with Alexa-568 goat anti-guinea pig (1:500) secondary antibody. Section is 4% PFA fixed, frozen, cyrosectioned material. In rodents nerve terminals are more often identified than whole cell bodies using GP-029-50



Immunohistochemical detection of agouti-related protein (AGRP) synthesizing neurons in the human infundibular nucleus using the GP-029-50 primary antibody (1:50 000), followed by its visualization with the biotinylated secondary antibody-ABC method and nickel-diaminobenzidine chromogen. Photo courtesy of Dr. Erik Hrabovszky, Hungarian Academy of Sciences, Budapest, Hungary.

Product Page URL: www.antibodiesinc.com/products/anti-agouti-related-protein-agrp-antibody-gp-029-50



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