

## Product datasheet

### Anti-AGRP antibody ab199126

[2 Images](#)

#### Overview

<b>Product name</b>	Anti-AGRP antibody
<b>Description</b>	Rabbit polyclonal to AGRP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human AGRP (internal sequence). (NP_001129). Database link: <a href="#">O00253</a>
<b>Positive control</b>	Human gastric cancer and colon cancer tissues.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.4 Preservative: 0.05% Sodium azide Constituents: 49% PBS, 50% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab199126 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/25 - 1/100.

## Target

### Function

Plays a role in weight homeostasis. Plays a role in the central control of feeding. Reduces food intake. Inhibits cAMP production mediated by stimulation of melanocortin receptors within the hypothalamus and adrenal gland. Acts primarily on MC3R and MC4R. Has very low activity with MC5R.

### Tissue specificity

Expressed primarily in the adrenal gland, subthalamic nucleus, and hypothalamus, with a lower level of expression occurring in testis, lung, and kidney.

### Involvement in disease

Genetic variations in AGRP may be a cause of obesity (OBESITY) [MIM:601665]. It is a condition characterized by an increase of body weight beyond the limitation of skeletal and physical requirements, as the result of excessive accumulation of body fat.

### Sequence similarities

Contains 1 agouti domain.

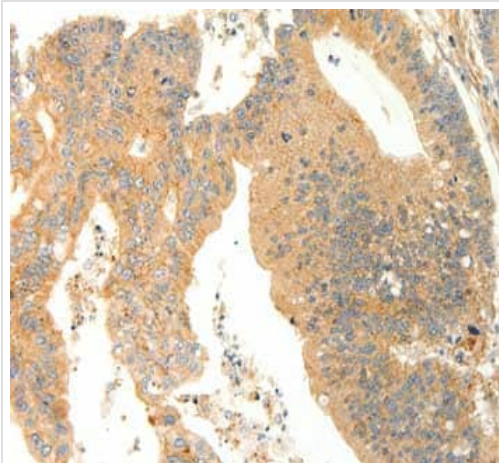
### Domain

The presence of a 'disulfide through disulfide knot' structurally defines this protein as a knottin.

### Cellular localization

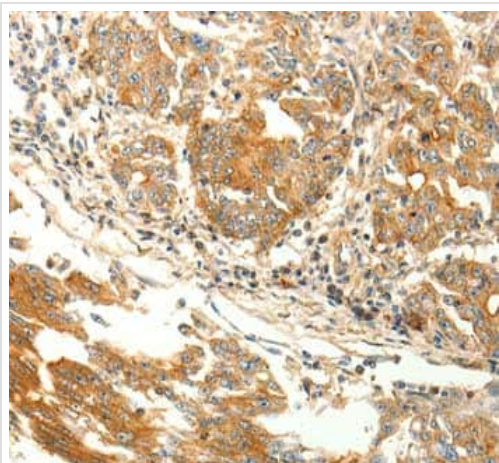
Secreted. Golgi apparatus lumen.

## Images



Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue labeling AGRP with ab199126 at 1/20 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGRP antibody (ab199126)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AGRP antibody (ab199126)

Immunohistochemical analysis of paraffin-embedded Human gastric cancer tissue labeling AGRP with ab199126 at 1/20 dilution.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

---

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors