

Anti-AMCase antibody [EPR19985] ab207168

重组 RabMAb

9 图像

概述

产品名称	Anti-AMCase抗体[EPR19985]
描述	兔单克隆抗体[EPR19985] to AMCase
宿主	Rabbit
经测试应用	适用于: IHC-P, WB, IHC-Fr
种属反应性	与反应: Mouse, Rat
免疫原	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Rat and mouse stomach lysates; Mouse salivary gland lysate. IHC-P: Mouse and rat stomach and lung tissues. IHC-Fr: Mouse stomach tissue.
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19985
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab207168于以下的经测试应用

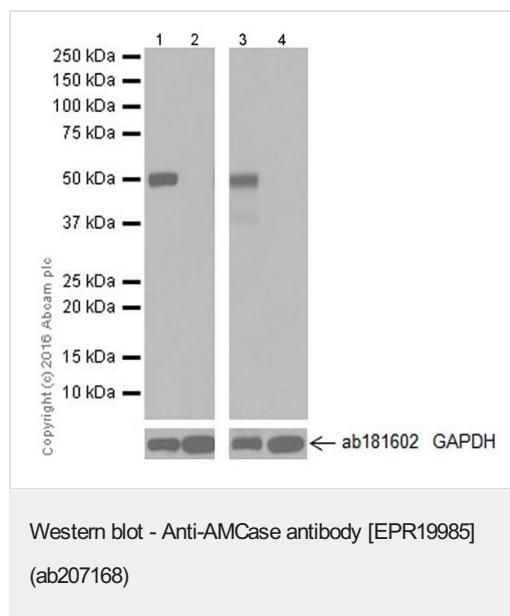
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/2000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 50 kDa (predicted molecular weight: 53 kDa).
IHC-Fr		1/100. Antigen retrieval: Heated citrate solution (10mM citrate PH 6.0 + 0.05% Tween-20).

靶标

功能	Degrades chitin and chitotriose. May participate in the defense against nematodes, fungi and other pathogens. Plays a role in T-helper cell type 2 (Th2) immune response. Contributes to the response to IL-13 and inflammation in response to IL-13. Stimulates chemokine production by pulmonary epithelial cells. Protects lung epithelial cells against apoptosis and promotes phosphorylation of AKT1. Its function in the inflammatory response and in protecting cells against apoptosis is inhibited by allosamidin, suggesting that the function of this protein depends on carbohydrate binding.
组织特异性	Detected in lung epithelial cells from asthma patients (at protein level). Highly expressed in stomach. Detected at lower levels in lung.
序列相似性	Belongs to the glycosyl hydrolase 18 family. Chitinase class II subfamily. Contains 1 chitin-binding type-2 domain.
细胞定位	Cytoplasm and Secreted. Secretion depends on EGFR activity.

图片



All lanes : Anti-AMCase antibody [EPR19985] (ab207168) at 1/1000 dilution

Lane 1 : Rat stomach lysate

Lane 2 : Rat liver lysate

Lane 3 : Mouse stomach lysate

Lane 4 : Mouse liver lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 50 kDa

Blocking/Dilution buffer: 5% NFDm/TBST.

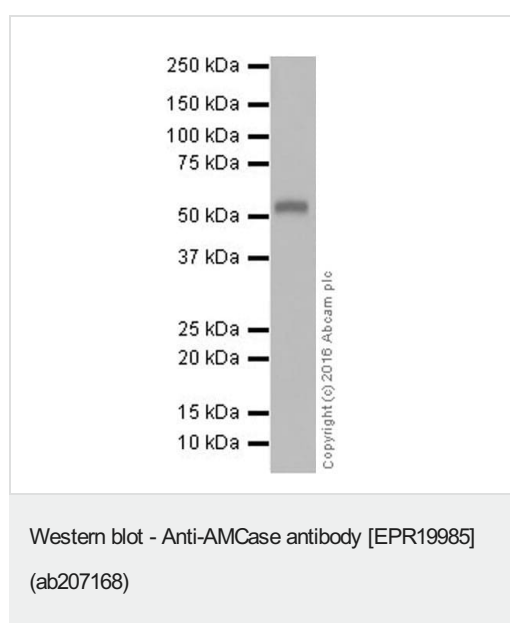
Exposure time: Lane 1/2: 3 minutes; Lane 3/4: 1 second.

CHIA mRNA is predominantly found in stomach, but not found in liver.

PMID: 11085997

PMID: 12971947

Negative control: Mouse liver, Rat liver.



Anti-AMCase antibody [EPR19985] (ab207168) at 1/1000 dilution + Mouse salivary gland lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

Predicted band size: 53 kDa

Observed band size: 50 kDa

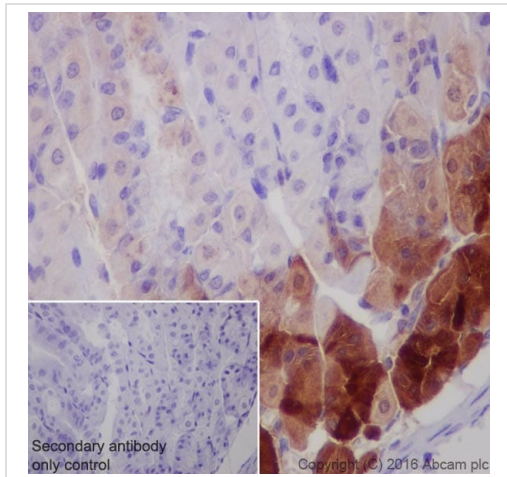
Exposure time: 1 second

Blocking/Dilution buffer: 5% NFDm/TBST.

CHIA mRNA is predominantly found in salivary gland.

PMID: 11085997

PMID: 12971947

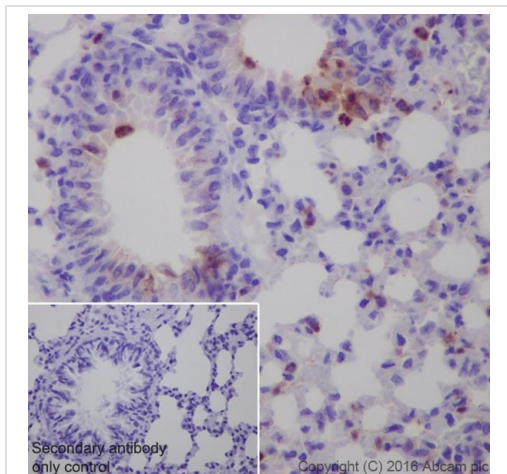


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of paraffin-embedded Mouse stomach tissue labeling AMCase with ab207168 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on chief cells of mouse gastric glands is observed [PMID:12971947]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

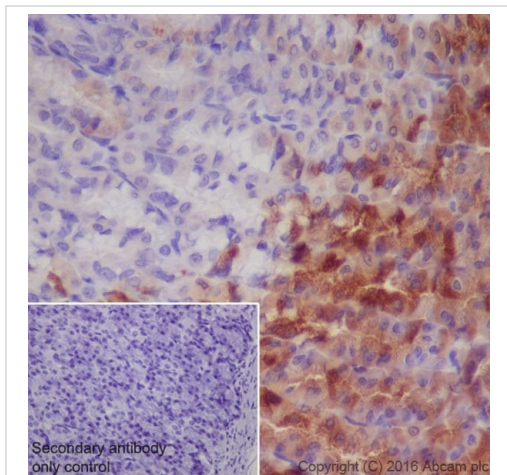


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of paraffin-embedded Mouse lung tissue labeling AMCase with ab207168 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on alveolar and airway epithelial cells of mouse lung is observed [PMID:16556727]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

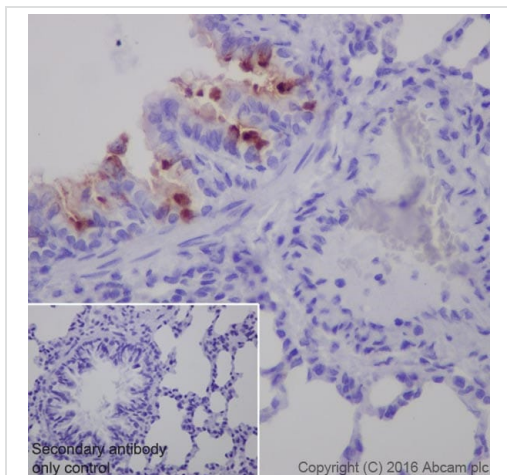


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of paraffin-embedded rat stomach tissue labeling AMCase with ab207168 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on chief cells of rat gastric glands is observed [PMID:12971947]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

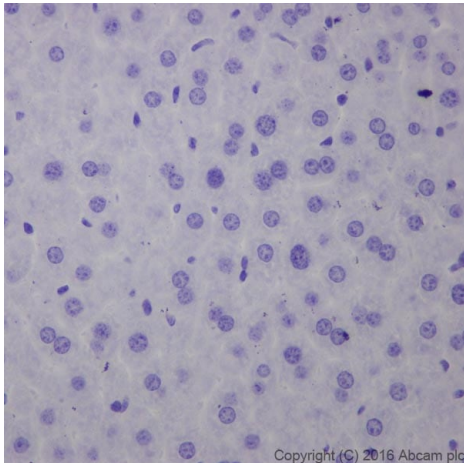


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of paraffin-embedded rat lung tissue labeling AMCase with ab207168 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Positive staining on airway epithelial cells of rat lung is observed [PMID:16556727]. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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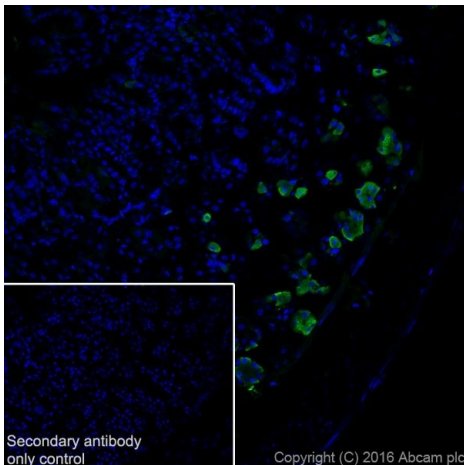
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of paraffin-embedded Mouse liver tissue labeling AMCase with ab207168 at 1/2000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution.

Negative control: no staining on mouse liver [PMID: 15923370].

Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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Immunohistochemistry (Frozen sections) - Anti-AMCase antibody [EPR19985] (ab207168)

Immunohistochemical analysis of 4% paraformaldehyde-fixed, 0.2% Triton X-100 permeabilized frozen Mouse stomach tissue labeling AMCase with ab207168 at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green). Cytoplasm staining on chief cells of mouse gastric glands is observed [PMID: 12971947]. The nuclear counterstain is DAPI (blue).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) secondary antibody at 1/1000 dilution.

Why choose a recombinant antibody?



Research with confidence
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Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-AMCase antibody [EPR19985] (ab207168)

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