

Product datasheet

Anti-Mast Cell Tryptase antibody [EPR8476] ab134932

Recombinant RabMAb

★★★★★ 3 Abreviews 18 References 5 Images

Overview

Product name	Anti-Mast Cell Tryptase antibody [EPR8476]
Description	Rabbit monoclonal [EPR8476] to Mast Cell Tryptase
Host species	Rabbit
Specificity	Lab re-tests in mouse and rat species were negative. Therefore, we do not guarantee this antibody in these species.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to residues in Human Mast Cell Tryptase.
Positive control	IHC-P: Human stomach, colon and tonsil tissues.
General notes	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in

our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8476
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab134932** in the following tested applications.

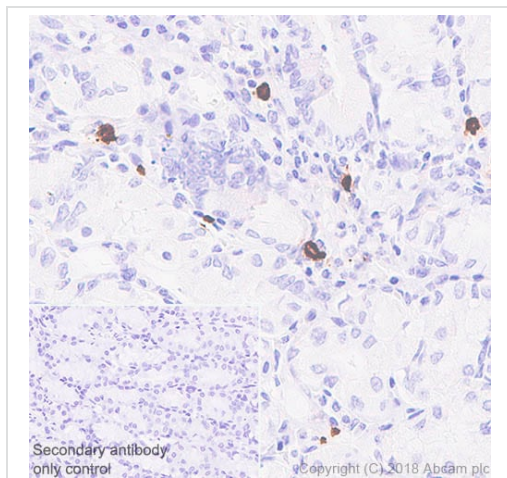
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P	★★★★★	1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. For antigen retrieval: heat up to 98°C, below boiling, and then let cool for 10-20 min. Use of an HRP/AP polymerized secondary antibody is recommended. See IHC antigen retrieval protocols . For unpurified use at 1/500 - 1/1000.

Target

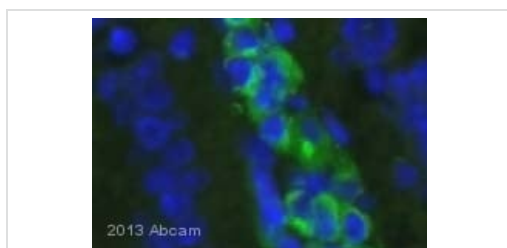
Relevance	Mast cells contain a number of preformed chemical mediators such as histamine, chymase, carboxypeptidase and proteolytic tryptase. Human Mast Cell Tryptase is considered to be an important marker of mast cell activation as well as an important mediator of inflammation.
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Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [EPR8476] (ab134932)

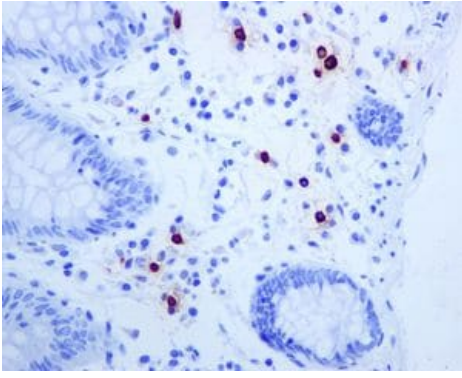
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of Human stomach tissue sections labeling Mast Cell Tryptase with Purified ab134932 at 1:5000 dilution (0.65 µg/ml). Heat mediated antigen retrieval was performed using ab93684 (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [EPR8476] (ab134932)

ab14404 staining Mast Cell Tryptase in Mouse small intestine tissue sections by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Cells were fixed with paraformaldehyde, blocked with 5% serum for 60 minutes at 21°C and heat mediated antigen retrieval was performed in 10mM Citrate buffer pH6.0. Samples were incubated with primary antibody (1/500 in PBS + 2% BSA) for 16 hours at 4°C. An Alexa Fluor®488-conjugated Donkey anti-rabbit Ig polyclonal (1/400) was used as the secondary antibody.

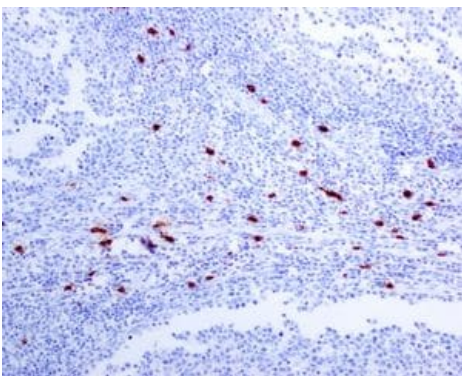
This image is courtesy of an anonymous Abreview



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [EPR8476] (ab134932)

Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human colon tissue, labelling Mast Cell Tryptase using ab134932 at a 1/500 dilution.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.




Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mast Cell Tryptase antibody [EPR8476] (ab134932)

Immunohistochemical analysis of paraffin-embedded, formalin-fixed Human tonsil tissue, labelling Mast Cell Tryptase using ab134932 at a 1/500 dilution.

Heat mediated antigen retrieval was performed with citrate buffer pH 6 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

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Research with confidence
Consistent and reproducible results
- 

Long-term and scalable supply
Recombinant technology
- 

Success from the first experiment
Confirmed specificity
- 

Ethical standards compliant
Animal-free production

Anti-Mast Cell Tryptase antibody [EPR8476] (ab134932)

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

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