

Product datasheet

Anti-Ribonuclease 3/ECP antibody [EPR20357] - BSA and Azide free ab223148

Recombinant RabMAb

[3 Images](#)

Overview

Product name	Anti-Ribonuclease 3/ECP antibody [EPR20357] - BSA and Azide free
Description	Rabbit monoclonal [EPR20357] to Ribonuclease 3/ECP - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant full length protein aa 1 to the C-terminus. The exact sequence is proprietary. Database link: P12724
Positive control	WB: GST-His-tagged human Ribonuclease 3/ECP recombinant protein (aa28-160); Human fetal lung and fetal spleen lysates. IHC-P: Human Hodgkin's lymphoma, spleen and colon tissues.
General notes	<p>ab223148 is the carrier-free version of ab207429 This format is designed for use in antibody labeling, including fluorochromes, metal isotopes, oligonucleotides, enzymes.</p> <p>Our carrier-free formats are supplied in a buffer free of BSA, sodium azide and glycerol for higher conjugation efficiency.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>Ab223148 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <p>This product was previously labelled as Ribonuclease 3</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>

Properties

Form	Liquid
Storage instructions	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.

Storage buffer	Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20357
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab223148** in the following tested applications.

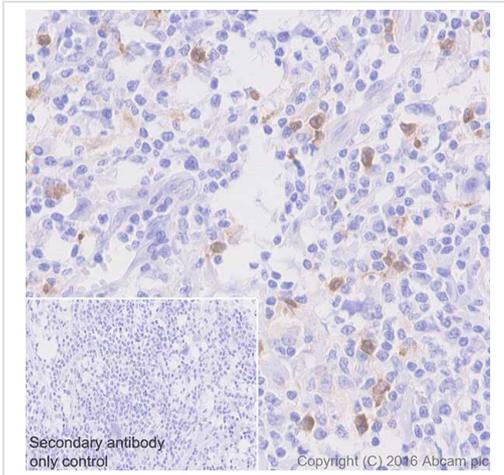
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. Detects a band of approximately 16-18 kDa (predicted molecular weight: 18 kDa).
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function	Cytotoxin and helminthotoxin with low-efficiency ribonuclease activity. Possesses a wide variety of biological activities. Exhibits antibacterial activity.
Sequence similarities	Belongs to the pancreatic ribonuclease family.
Cellular localization	Cytoplasmic granule. Matrix of eosinophil's large specific granule.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Ribonuclease 3/ECP antibody [EPR20357] - BSA and Azide free (ab223148)

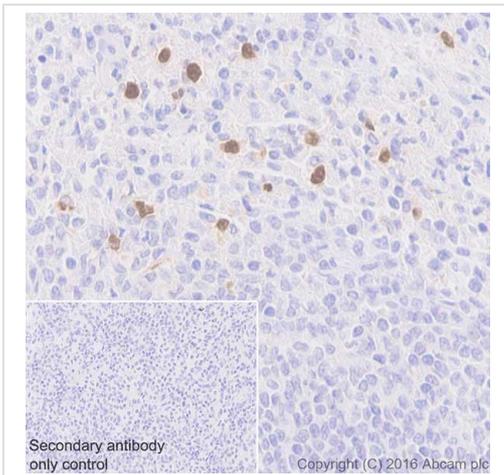
Immunohistochemical analysis of paraffin-embedded human Hodgkin's lymphoma tissue labeling Ribonuclease 3/ECP with [ab207429](#) at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Cytoplasmic staining on eosinophils and neutrophils of human Hodgkin's lymphoma is observed.

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207429](#)).

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-Ribonuclease 3/ECP antibody [EPR20357] - BSA and Azide free (ab223148)

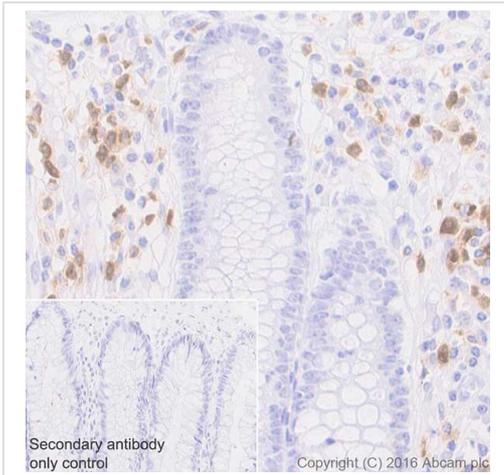
Immunohistochemical analysis of paraffin-embedded human spleen tissue labeling Ribonuclease 3/ECP with [ab207429](#) at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Cytoplasmic staining on eosinophils and neutrophils of human spleen [PMID: 11034418].

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207429](#)).

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-Ribonuclease 3/ECP antibody [EPR20357] - BSA and Azide free (ab223148)

Immunohistochemical analysis of paraffin-embedded human colon tissue labeling Ribonuclease 3/ECP with [ab207429](#) at 1/8000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/500 dilution. Cytoplasmic staining on eosinophils and neutrophils of human colon [PMID: 11034418].

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207429](#)).

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

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