

Product datasheet

Anti-DPEP3 antibody [EPR21862] - BSA and Azide free ab238646

Recombinant RabMAb

4 Images

Overview

Product name	Anti-DPEP3 antibody [EPR21862] - BSA and Azide free
Description	Rabbit monoclonal [EPR21862] to DPEP3 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide within Human DPEP3 aa 400 to the C-terminus. The exact sequence is proprietary. Database link: Q9H4B8
Positive control	IHC-P: Human testis tissue.
General notes	<p>Ab238646 is the carrier-free version of ab235451. 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>ab238646 is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm. <i>Maxpar® is a trademark of Fluidigm Canada Inc.</i></p> <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> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next</p>

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 +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR21862
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab238646** in the following tested applications.

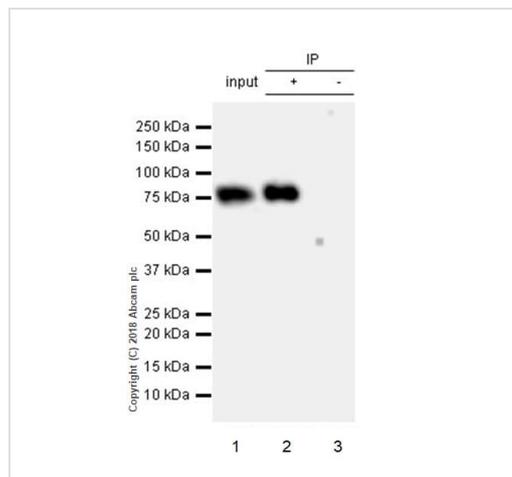
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 75 kDa (predicted molecular weight: 54 kDa).
IP		Use at an assay dependent concentration.

Target

Function	Probable metalloprotease which hydrolyzes cystinyl-bis-glycine. May be involved in meiosis.
Sequence similarities	Belongs to the peptidase M19 family.
Cellular localization	Membrane.

Images



Immunoprecipitation - Anti-DPEP3 antibody [EPR21862] - BSA and Azide free (ab238646)

DPEP3 was immunoprecipitated from 0.35 mg of human testis lysate with [ab235451](#) at 1/30 dilution. Western blot was performed from the immunoprecipitate using [ab235451](#) at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/5000 dilution.

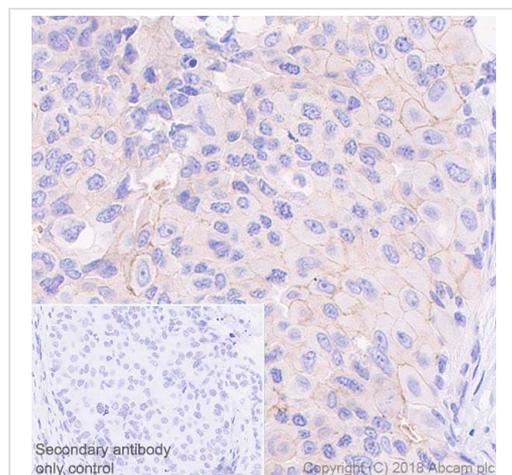
Lane 1: Human testis lysate 10 µg (Input).

Lane 2: [ab235451](#) IP in human testis lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab235451](#) in human testis lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.
Exposure time: 3 minutes.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab235451](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPEP3 antibody [EPR21862] - BSA and Azide free (ab238646)

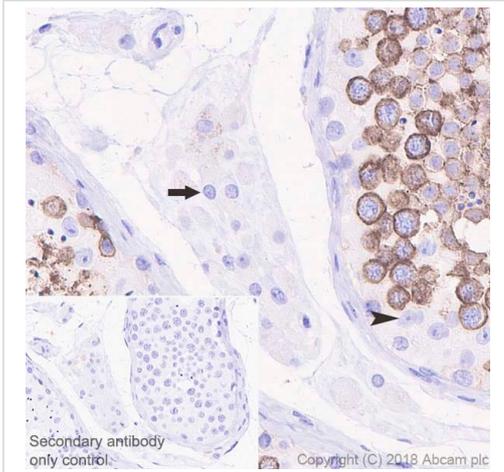
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue labeling DPEP3 with [ab235451](#) at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Membranous staining on tumor epithelial cells of one case human breast cancer is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) ready to use.

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

Please note that DPEP3 was not detected in every breast cancer tissue sample tested due to the heterogeneity of expression.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab235451](#)).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DPEP3 antibody [EPR21862] - BSA and Azide free (ab238646)

Immunohistochemical analysis of paraffin-embedded human testis tissue labeling DPEP3 with [ab235451](#) at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) ready to use. Membranous and cytoplasmic staining on human germ cells but not Leydig cells (arrow) or Sertoli cells (arrowhead) (PMID: 21724266) 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) ready to use.

Heat mediated antigen retrieval using [ab93684](#) (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab235451](#)).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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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

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