

Product datasheet

Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] ab222407

Recombinant RabMAb

2 Images

Overview

Product name	Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160]
Description	Rabbit monoclonal [EPR20866-160] to cleaved N-terminal DFNA5 / GSDME
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse
Immunogen	Synthetic peptide within Mouse cleaved N-terminal DFNA5/ GSDME aa 250-350. The exact sequence is proprietary. Database link: Q9Z2D3
Positive control	WB: CT26 (treated with 2 µg/ml Actinomycin-D for 24 hours) whole cell lysate.
General notes	<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 breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work</p>

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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
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	EPR20866-160
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab222407** 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		1/5000. Detects a band of approximately 35 kDa (predicted molecular weight: 57 kDa).

Application notes Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

Target

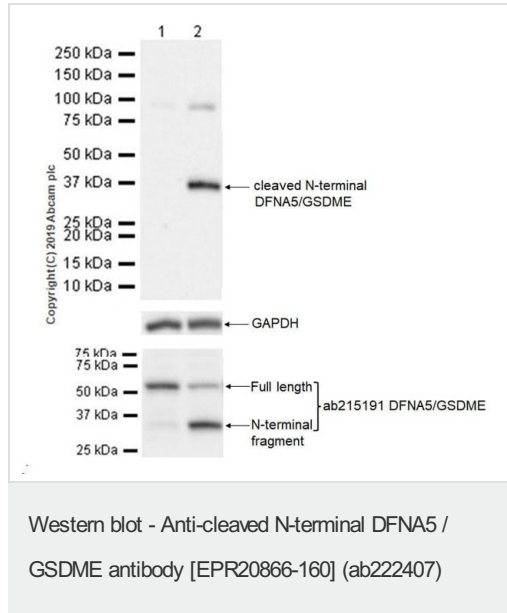
Function	Plays a role in the TP53-regulated cellular response to DNA damage probably by cooperating with TP53 (PubMed:16897187, PubMed:18223688, PubMed:21522185). The N-terminal moiety promotes pyroptosis and exhibits bactericidal activity (PubMed:27281216). The physiological relevance of these observations is unknown.
Tissue specificity	Expressed in cochlea. Low level of expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas, with highest expression in placenta.
Involvement in disease	Deafness, autosomal dominant, 5 Is a tumor suppressor gene with an important role in colorectal cancer (CRC).
Sequence similarities	Belongs to the gasdermin family.
Domain	Intramolecular interactions between N- and C-terminal domains may be important for

autoinhibition in the absence of activation signal. The intrinsic pyroptosis-inducing activity is carried by the N-terminal domain.

Cellular localization

Cytoplasm, cytosol. Cell membrane.

Images



All lanes : Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] (ab222407) at 1/5000 dilution

Lane 1 : Untreated CT26 (mouse colon carcinoma) whole cell lysate

Lane 2 : CT26 (treated with 2 µg/ml Actinomycin-D for 24 hours) whole cell 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: 57 kDa

Observed band size: 35 kDa

[why is the actual band size different from the predicted?](#)

Exposure time: 103 seconds

Lysates were kindly provided by Dr Feng Shao.

The molecular weight observed is consistent with the literature (PMID: 28459430, 30804337).

Blocking/Dilution buffer: 5% NFD/MTBST.

Why choose a recombinant antibody?



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-cleaved N-terminal DFNA5 / GSDME antibody
[EPR20866-160] (ab222407)

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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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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