

# Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] - BSA and Azide free ab256122

Recombinant RabMAb

[2 Images](#)

### Overview

<b>Product name</b>	Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR20866-160] to cleaved N-terminal DFNA5 / GSDME - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: CT26 (treated with 2 µg/ml Actinomycin-D for 24 hours) whole cell lysate.
<b>General notes</b>	ab256122 is the carrier-free version of <a href="#">ab222407</a> .

Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.

This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

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.

This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.

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

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C. Do Not Freeze.
<b>Storage buffer</b>	pH: 7.2 Constituent: PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20866-160
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab256122 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
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 54 kDa.

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

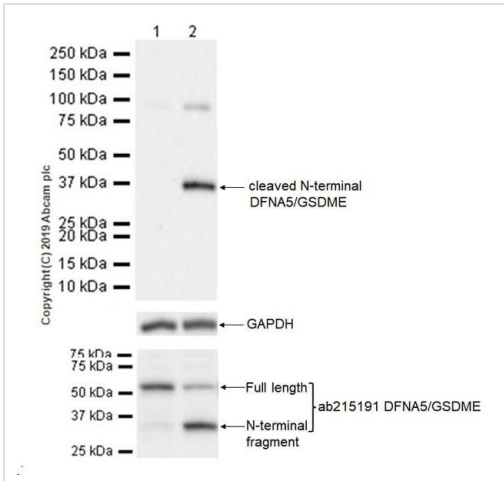
## Target

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<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed in cochlea. Low level of expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas, with highest expression in placenta.
<b>Involvement in disease</b>	Deafness, autosomal dominant, 5 Is a tumor suppressor gene with an important role in colorectal cancer (CRC).
<b>Sequence similarities</b>	Belongs to the gasdermin family.
<b>Domain</b>	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.
<b>Cellular localization</b>	Cytoplasm, cytosol. Cell membrane.

## Images

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Western blot - Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] - BSA and Azide free (ab256122)

**All lanes** : Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20866-160] ([ab222407](#)) at 1/1000 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:** 54 kDa

**Observed band size:** 35 kDa

**Exposure time:** 103 seconds

The lysates were kindly provided by our collaborator Dr Feng Shao's lab, NIBS.

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

Blocking/Dilution buffer: 5% NFD/MTBST.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab222407](#)).

### 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] - BSA and Azide free (ab256122)

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

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