

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

Recombinant RabMAb

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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. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: CT26 (treated with 2 µg/ml Actinomycin-D for 24 hours) whole cell lysate.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 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 .

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

Applications

The Abpromise guarantee

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.

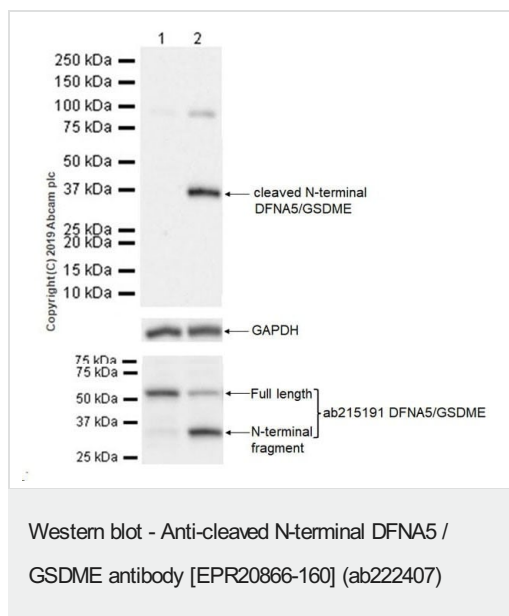
Domain

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

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% NFDM/TBST.

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"

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