

Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] ab222408

KO VALIDATED Recombinant RabMAb

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Overview

Product name	Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248]
Description	Rabbit monoclonal [EPR20867-248] to cleaved N-terminal DFNA5 / GSDME
Host species	Rabbit
Specificity	This antibody may weakly cross react with the full length DFNA5/GSDME.
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: SH-SY5Y (treated with etoposide (60uM, 14h) 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 EPR20867-248

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab222408 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

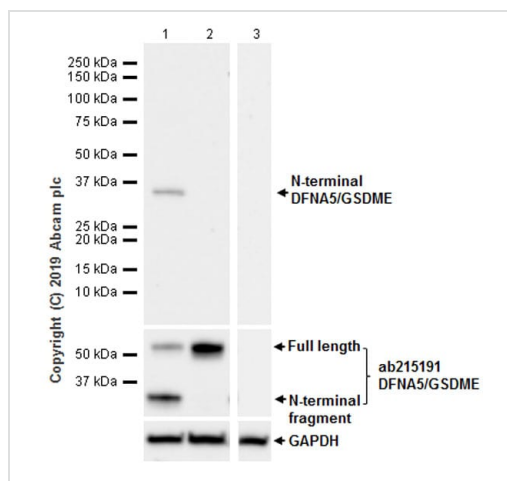
Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 35 kDa (predicted molecular weight: 55 kDa).

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



Western blot - Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] (ab222408)

All lanes : Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] (ab222408) at 1/1000 dilution

Lane 1 : Wild-type SH-SY5Y (human neuroblastoma cell line from bone marrow) (treated with etoposide (60uM, 14h), whole cell lysate

Lane 2 : Untreated wild-type SH-SY5Y whole cell lysate

Lane 3 : DFNA5/GSDME knockout SH-SY5Y treated with etoposide (60 uM, 14h), whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 55 kDa

Observed band size: 35 kDa

Exposure time: 27 seconds

Blocking and dilution buffer: 5% NFDm/TBST.

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).

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

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

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