

Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] - BSA and Azide free ab256165

KO VALIDATED Recombinant RabMAb

2 Images

Overview

Product name	Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] - BSA and Azide free
Description	Rabbit monoclonal [EPR20867-248] to cleaved N-terminal DFNA5 / GSDME - BSA and Azide free
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	<p>ab256165 is the carrier-free version of ab222408.</p> <p>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.</p> <p>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.</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>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</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>

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. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR20867-248
Isotype	IgG

Applications

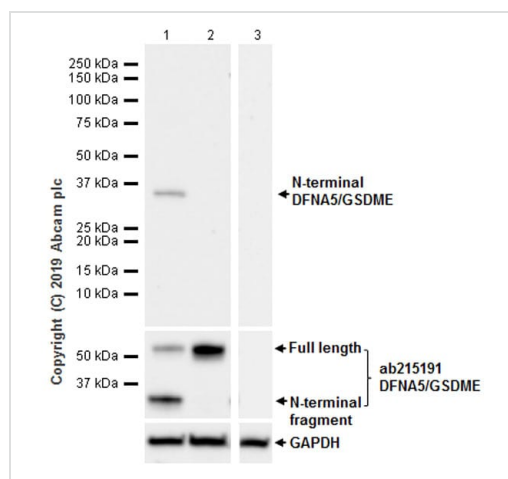
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab256165 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration. 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.



Western blot - Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248] - BSA and Azide free (ab256165)

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

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).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab222408](#)).

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
[EPR20867-248] - BSA and Azide free (ab256165)

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

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