

## Product datasheet

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

**KO VALIDATED** Recombinant RabMAb<sup>®</sup>

1 Image

### Overview

<b>Product name</b>	Anti-cleaved N-terminal DFNA5 / GSDME antibody [EPR20867-248]
<b>Description</b>	Rabbit monoclonal [EPR20867-248] to cleaved N-terminal DFNA5 / GSDME
<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> Human
<b>Immunogen</b>	Synthetic peptide within Human cleaved N-terminal DFNA5/ GSDME aa 250-350. The exact sequence is proprietary. Database link: <a href="#">O60443</a>
<b>Positive control</b>	WB: SH-SY5Y (treated with etoposide (60uM, 14h) whole cell lysate.
<b>General notes</b>	Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .  This product is a <a href="#">recombinant rabbit monoclonal antibody</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR20867-248
<b>Isotype</b>	IgG

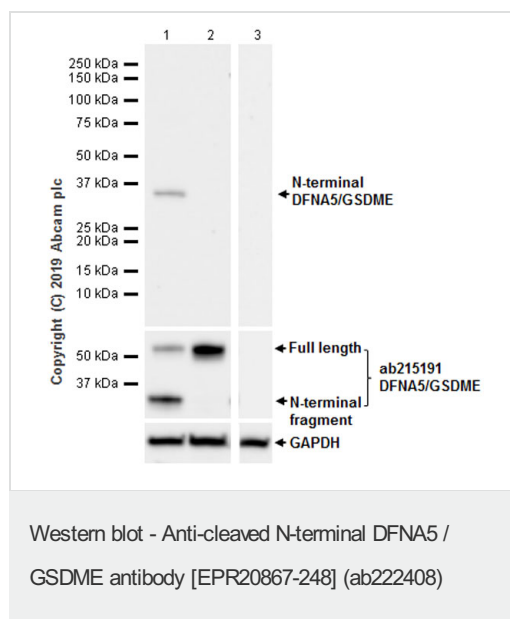
### Applications

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).
<b>Application notes</b>		Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.
<b>Target</b>		
<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



**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 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

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

**Exposure time:** 27 seconds

Blocking and dilution buffer: 5% NFDm/TBST.

Lysates were kindly provided by Dr Feng Shao.

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

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

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