

Anti-DFNA5/GSDME antibody [EPR19859-60] - C-terminal ab221843

敲除验证
重组
RabMAb

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概述

产品名称	Anti-DFNA5/GSDME抗体[EPR19859-60] - C-terminal
描述	兔单克隆抗体[EPR19859-60] to DFNA5/GSDME - C-terminal
宿主	Rabbit
特异性	Expression levels of the target protein vary with sample type and some optimisation may be required.
经测试应用	适用于: WB, IP
种属反应性	与反应: Human
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate. HEK-293 transfected with a myc tagged, DFNA5/GSDME (C-terminus) expression vector, whole cell lysate. Human fetal brain lysate. IP: SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate.
常规说明	<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> <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.</p>

性能

形式	Liquid
存放说明	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.
存储溶液	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), PBS</p>

纯度	Protein A purified
克隆	单克隆
克隆编号	EPR19859-60
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab221843于以下的经测试应用

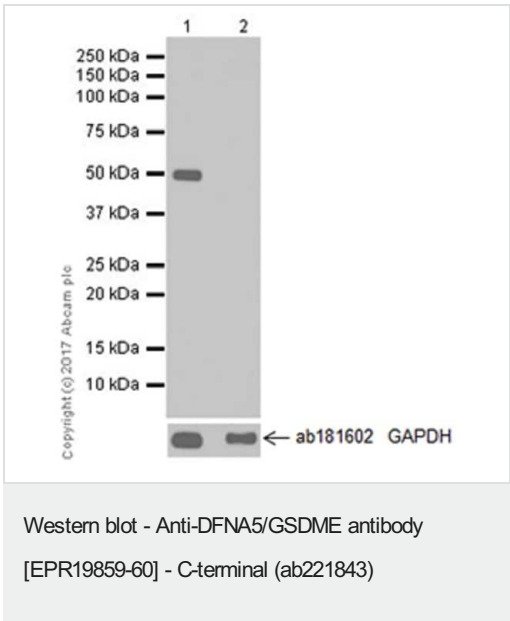
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/1000. Detects a band of approximately 36, 55 kDa (predicted molecular weight: 54 kDa).
IP		1/40.

靶标

组织特异性	Expressed in cochlea. Low level of expression in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas, with highest expression in placenta.
疾病相关	Defects in DFNA5 are the cause of deafness autosomal dominant type 5 (DFNA5) [MIM:600994]. DFNA5 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.
序列相似性	Belongs to the gasdermin family.

图片



All lanes : Anti-DFNA5/GSDME antibody [EPR19859-60] - C-terminal (ab221843) at 1/5000 dilution

Lane 1 : SH-SY5Y (human neuroblastoma epithelial cell), whole cell lysate

Lane 2 : DFNA5/GSDME knockout SH-SY5Y, whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

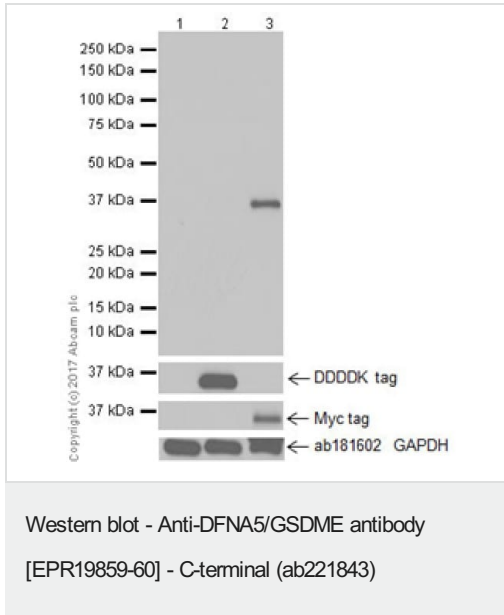
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Predicted band size: 54 kDa

Exposure time: 30 seconds

Blocking/Dilution: 5% NFDM/TBST.

The cell lysates were kindly provided by our collaborator, Dr. Feng Shao, NIBS.



All lanes : Anti-DFNA5/GSDME antibody [EPR19859-60] - C-terminal (ab221843) at 1/1000 dilution

Lane 1 : HEK-293 (human embryonic kidney epithelial cell) transfected with a control vector containing DDDDK tag, whole cell lysate

Lane 2 : HEK-293 transfected with a DDDDK tagged, DFNA5/GSDME (N-terminus) expression vector, whole cell lysate

Lane 3 : HEK-293 transfected with a myc tagged, DFNA5/GSDME (C-terminus) expression vector, 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

Developed using the ECL technique.

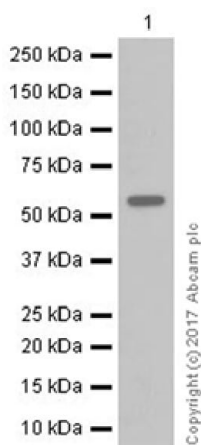
Predicted band size: 54 kDa

Exposure time: 5 seconds

Blocking/Dilution: 5% NFDM/TBST .

This antibody is specific to the C-terminus of DFNA5/GSDME.

The cell lysates were kindly provided by our collaborator, Dr. Feng Shao, NIBS.



Western blot - Anti-DFNA5/GSDME antibody
[EPR19859-60] - C-terminal (ab221843)

Anti-DFNA5/GSDME antibody [EPR19859-60] - C-terminal
(ab221843) at 1/1000 dilution + human fetal brain at 10 µg

Secondary

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)) at 1/4000
dilution

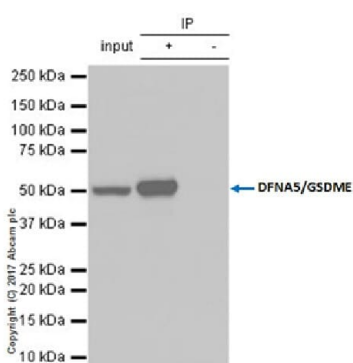
Developed using the ECL technique.

Predicted band size: 54 kDa

Exposure time: 3 minutes

Blocking/Dilution: 5% NFDm/TBST.

The molecular weight observed is consistent with what has been
described in the literature (PMID: 28459430).



Immunoprecipitation - Anti-DFNA5/GSDME antibody
[EPR19859-60] - C-terminal (ab221843)

DFNA5/GSDME was immunoprecipitated from 0.35 mg of SH-SY5Y (human neuroblastoma epithelial cell) whole cell lysate with ab221843 at 1/40 dilution. Western blot was performed from the immunoprecipitate using ab221843 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: SH-SY5Y whole cell lysate 10ug (Input).

Lane 2: ab221843 IP in SH-SY5Y whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab221843 in SH-SY5Y whole cell lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Observed MW 55 kDa.

Exposure time: 1 second.

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-DFNA5/GSDME antibody [EPR19859-60] - C-terminal (ab221843)

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