

## DFNA5/GSDME Monoclonal antibody

Catalog Number: 67731-1-Ig

3 Publications

## Basic Information

Catalog Number:

67731-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30514

GenBank Accession Number:

BC019689

GeneID (NCBI):

1687

UNIPROT ID:

O60443

Full Name:

deafness, autosomal dominant 5

Calculated MW:

496 aa, 55 kDa

Observed MW:

50-55 kDa

Purification Method:

Protein G purification

CloneNo.:

1D9C3

Recommended Dilutions:

WB 1:1000-1:4000

## Applications

Tested Applications:

WB, ELISA, FC (Intra)

Cited Applications:

WB

Species Specificity:

Human, mouse, rat, pig

Cited Species:

human, rat, mouse

Positive Controls:

WB : pig brain tissue, HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue

## Background Information

DFNA5 (deafness, autosomal dominant 5), also known as GSDME or ICERE-1, is a 496 amino acid protein that is expressed in cochlea tissue, as well as in placenta, brain, heart, liver, lung and pancreas. Defects in the gene encoding DFNA5 are the cause of non-syndromic sensorineural deafness autosomal dominant type 5 (DFNA5), a form of sensorineural hearing loss that results from damage to one of various structures that receive sound information in the brain.

## Notable Publications

Author	Pubmed ID	Journal	Application
Wei Wang	37295545	Exp Neurol	WB
Youqing Ye	37220137	ACS Appl Mater Interfaces	WB
Wei Wang	36946264	ACS Chem Neurosci	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

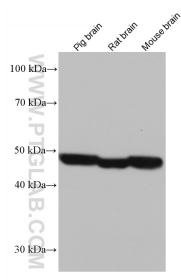
For technical support and original validation data for this product please contact:

T: 4006900926

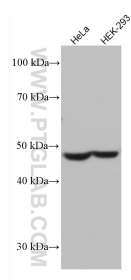
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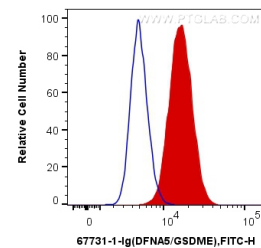
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67731-1-Ig (DFNA5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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1X10<sup>6</sup> SH-SY5Y cells were intracellularly stained with 0.2 ug Anti-Human DFNA5/GSDME (67731-1-Ig, Clone:1D9C3) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).