

DFNA5/GSDME Polyclonal antibody

Catalog Number: 13075-1-AP

Featured Product

51 Publications

Basic Information

Catalog Number:

13075-1-AP

Concentration:

700 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3746

GenBank Accession Number:

BC019689

GeneID (NCBI):

1687

UNIPROT ID:

O60443

Full Name:

deafness, autosomal dominant 5

Calculated MW:

496 aa, 55 kDa

Observed MW:

55 kDa, 35 kDa, 25 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:8000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:200-1:800

FC (Intra): 0.40 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, CoIP

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: SH-SY5Y cells, A549 cells, Y79 cells, HeLa cells, Calu-1 cells, untreated, and etoposide (60uM, 5h) treated SH-SY5Y cells

IP: SH-SY5Y cells,

IHC: mouse brain tissue, mouse small intestine tissue

FC (Intra): SH-SY5Y cells,

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. GSDME produced two GSDME fragments with MW of 35 kDa and 25 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuanli Huang	34594133	Cancer Manag Res	IHC
Yuan-Li Huang	34553845	Cancer Rep (Hoboken)	IHC
Xiaolin Zhong	36100190	Brain Res Bull	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

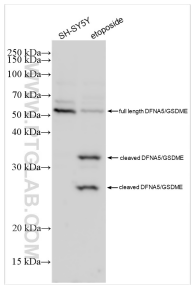
For technical support and original validation data for this product please contact:

T: 4006900926

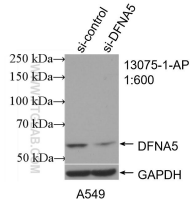
E: Proteintech-CN@ptglab.comW: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

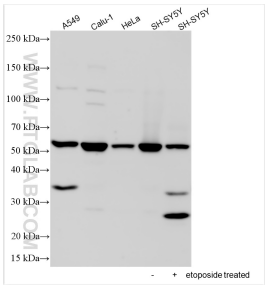
Selected Validation Data



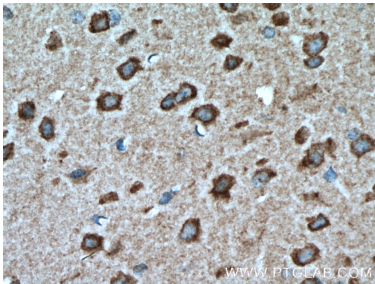
Untreated, and etoposide (60uM, 5h) treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 13075-1-AP (DFNA5/GSDME antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



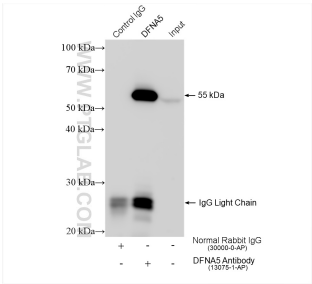
WB result of DFNA5/ GSDME antibody (13075-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-DFNA5/ GSDME transfected A549 cells.



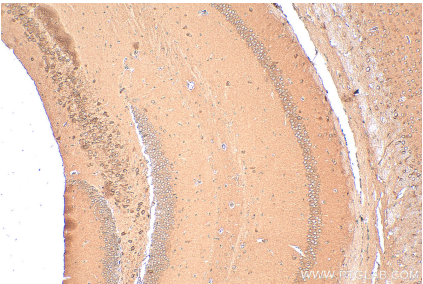
Various lysates were subjected to SDS PAGE followed by western blot with 13075-1-AP (DFNA5/GSDME antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



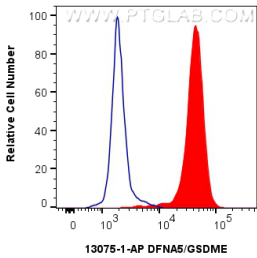
Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13075-1-AP (DFNA5 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-DFNA5/GSDME (IP:13075-1-AP, 4ug; Detection:13075-1-AP 1:15000) with SH-SY5Y cells lysate 1240 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 13075-1-AP (DFNA5/GSDME antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ SH-SY5Y cells were intracellularly stained with 0.4 ug Anti-Human DFNA5/GSDME (13075-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).