

For Research Use Only

DFNA5/GSDME Monoclonal antibody



Catalog Number: 67731-1-Ig **3 Publications**

Basic Information

Catalog Number: 67731-1-Ig	GenBank Accession Number: BC019689	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 632 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 1687	CloneNo.: 1D9C3
Source: Mouse	Full Name: deafness, autosomal dominant 5	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Calculated MW: 496 aa, 55 kDa	
Immunogen Catalog Number: AG30514	Observed MW: 50-55 kDa	

Applications

Tested Applications: FC, WB, ELISA	Positive Controls: WB : pig brain tissue, HeLa cells, HEK-293 cells, mouse brain tissue, rat brain tissue
Cited Applications: WB	
Species Specificity: Human, mouse, rat, pig	
Cited Species: human, rat, mouse	

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

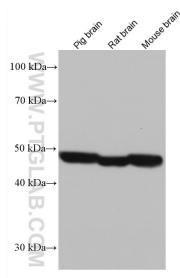
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

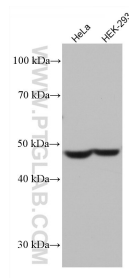
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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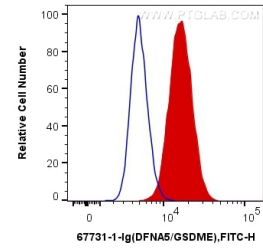
Selected Validation Data



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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1X10⁶ 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).