

For Research Use Only

# GSDME Monoclonal antibody, PBS Only

Catalog Number: 67731-1-PBS



## Basic Information

<b>Catalog Number:</b> 67731-1-PBS	<b>GenBank Accession Number:</b> BC019689	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1687	<b>CloneNo.:</b> 1D9C3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O60443	
<b>Isotype:</b> IgG1	<b>Full Name:</b> deafness, autosomal dominant 5	
<b>Immunogen Catalog Number:</b> AG30514	<b>Calculated MW:</b> 496 aa, 55 kDa	
	<b>Observed MW:</b> 50-55 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human, mouse, rat, pig

## 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.

## Storage

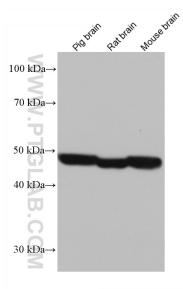
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

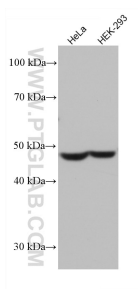
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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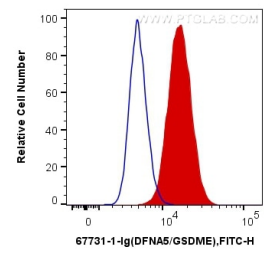
## Selected Validation Data



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. This data was developed using the same antibody clone with 67731-1-PBS in a different storage buffer formulation.



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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). This data was developed using the same antibody clone with 67731-1-PBS in a different storage buffer formulation.