

For Research Use Only

# DFNA5/GSDME Polyclonal antibody, PBS Only

Catalog Number: 31363-1-PBS



## Basic Information

<b>Catalog Number:</b> 31363-1-PBS	<b>GenBank Accession Number:</b> BC019689	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1687	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60443	
<b>Isotype:</b> IgG	<b>Full Name:</b> deafness, autosomal dominant 5	
<b>Immunogen Catalog Number:</b> AG35186	<b>Calculated MW:</b> 496 aa, 55 kDa	
	<b>Observed MW:</b> 55 kDa, 35 kDa, 25 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, Indirect ELISA

**Species Specificity:**  
human, 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. GSDME produced two GSDME fragments with MW of 35 kDa and 25 kDa.

## Storage

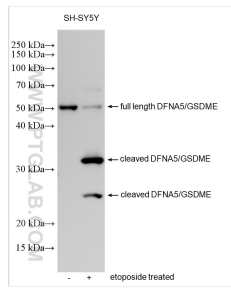
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

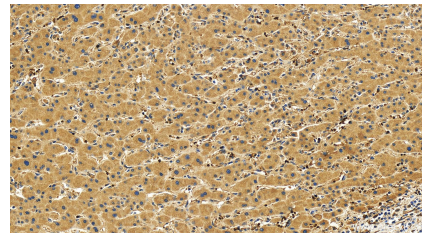
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

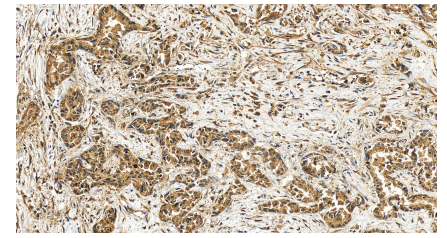
## Selected Validation Data



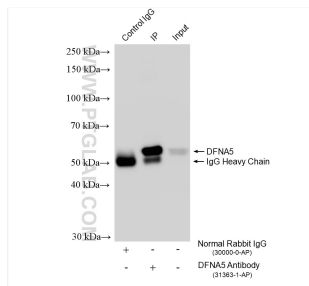
Untreated, and etoposide (60uM, 14h) treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 31363-1-AP (DFNA5/GSDME antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31363-1-PBS in a different storage buffer formulation.



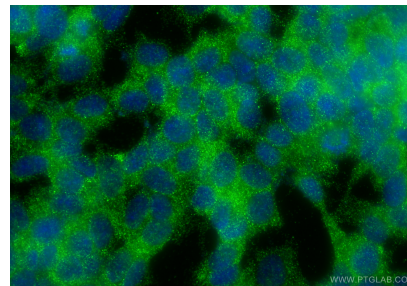
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 31363-1-AP (DFNA5 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31363-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 31363-1-AP (DFNA5 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 31363-1-PBS in a different storage buffer formulation.



IP result of anti-DFNA5/GSDME (IP:31363-1-AP, 4ug; Detection:31363-1-AP 1:800) with SH-SY5Y cells lysate 6790 ug. This data was developed using the same antibody clone with 31363-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using DFNA5 antibody (31363-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 31363-1-PBS in a different storage buffer formulation.