

For Research Use Only

# DFNA5 Polyclonal antibody

Catalog Number: 31363-1-AP



## Basic Information

<b>Catalog Number:</b> 31363-1-AP	<b>GenBank Accession Number:</b> BC019689	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 380 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1687	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:200-1:800
<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

<b>Tested Applications:</b> WB, IHC, IF/ICC, IP, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB :</b> SH-SY5Y cells, A549 cells, mouse brain tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IP :</b> SH-SY5Y cells,
	<b>IHC :</b> human intrahepatic cholangiocarcinoma tissue,
	<b>IF/ICC :</b> 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.

## Storage

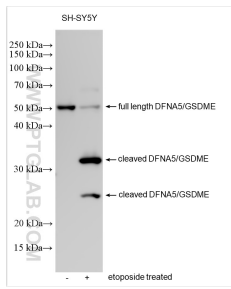
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

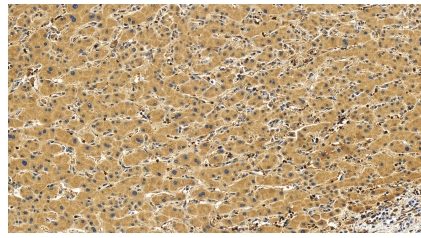
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

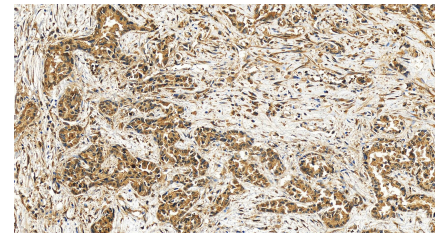
## Selected Validation Data



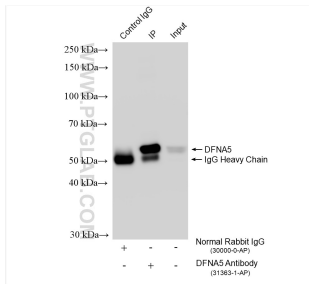
Untreated, and etoposide (60uM, 14h) treated SH-SY5Y cells were subjected to SDS PAGE followed by western blot with 31363-1-AP (DFNA5/GSDME antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



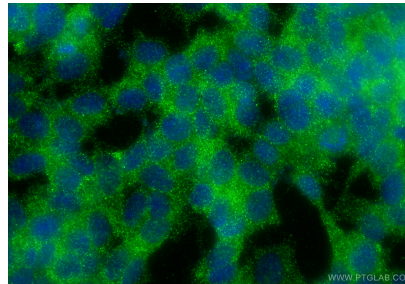
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 31363-1-AP (DFNA5 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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IP result of anti-DFNA5/GSDME (IP:31363-1-AP, 4ug; Detection:31363-1-AP 1:800) with SH-SY5Y cells lysate 6790 ug.



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).