

For Research Use Only

# GSDMD Polyclonal antibody

Catalog Number: 30531-1-AP



## Basic Information

<b>Catalog Number:</b> 30531-1-AP	<b>GenBank Accession Number:</b> BC008904	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 450 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 79792	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P57764	
<b>Isotype:</b> IgG	<b>Full Name:</b> gasdermin D	
<b>Immunogen Catalog Number:</b> AG33627	<b>Calculated MW:</b> 484 aa, 53 kDa	
	<b>Observed MW:</b> 53 kDa, 43 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> THP-1 cells,
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> human intrahepatic cholangiocarcinoma tissue,

## Background Information

GSDMD is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. GSDMD has been suggested to act as a tumor suppressor. Recently, GSDMD is identified as a new component of inflammasomes, and it is an executor of pyroptosis and required for interleukin-1 $\beta$  secretion. Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death.

## Storage

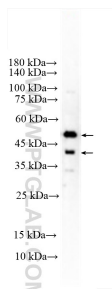
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

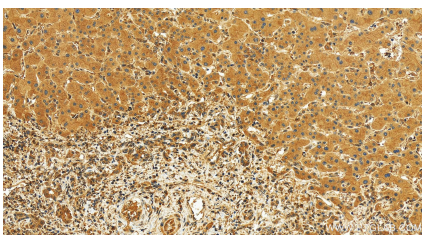
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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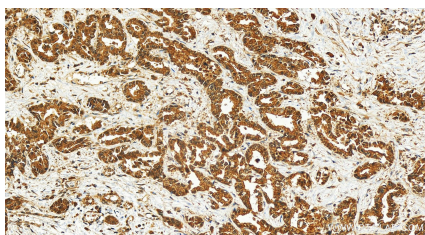
## Selected Validation Data



THP-1 cells were subjected to SDS PAGE followed by western blot with 30531-1-AP (GSDMD (C-terminal) 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 30531-1-AP (GSDMD antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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