

For Research Use Only

GSDMD Polyclonal antibody

Catalog Number: 30531-1-AP



Basic Information

Catalog Number:

30531-1-AP

Size:

450 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33627

GenBank Accession Number:

BC008904

GeneID (NCBI):

79792

UNIPROT ID:

P57764

Full Name:

gasdermin D

Calculated MW:

484 aa, 53 kDa

Observed MW:

53 kDa, 43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : THP-1 cells,

IHC : 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 β secretion. Cleavage of GSDMD by inflammatory caspases determines pyroptotic cell death. This antibody can detect 53 kDa full-length GSDMD and 43 kDa fragment as described in the literature (PMID: 28392147, PMID: 28979266).

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

For technical support and original validation data for this product please contact:

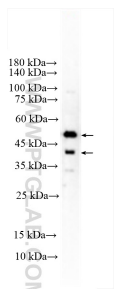
T: 4006900926

E: Proteintech-CN@ptglab.com

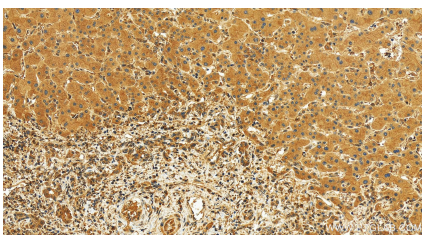
W: ptgcn.com

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

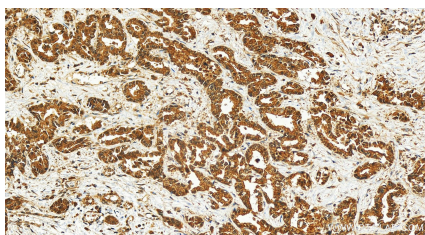
Selected Validation Data



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).



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).