

# Caspase 2/p18 Polyclonal antibody

Catalog Number: 24777-1-AP

## Basic Information

Catalog Number:

24777-1-AP

Size:

750 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG20141

GenBank Accession Number:

BC002427

GeneID (NCBI):

835

UNIPROT ID:

P42575

Full Name:

caspase 2, apoptosis-related cysteine  
peptidase

Calculated MW:

452 aa, 51 kDa

Observed MW:

48-51 kDa, 32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF 1:20-1:200

## Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

human, mouse

**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 : HEK-293 cells, Jurkat cells, mouse kidney tissue

IHC : human liver cancer tissue, human lung cancer  
tissue

IF : HEK-293 cells,

## Background Information

CASP2(Caspase-2) is also named as ICH1, NEDD2 and belongs to the peptidase C14A family. It is involved in the activation cascade of caspases responsible for apoptosis execution and might function by either activating some proteins required for cell death or inactivating proteins necessary for cell survival. It has 2 isoforms produced by alternative splicing and can exist almost as a dimer in solution (PMID:15865942).

## Storage

Storage:

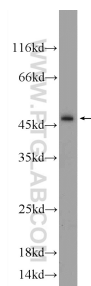
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

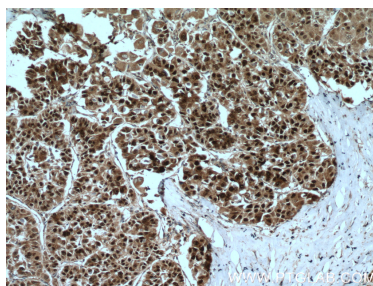
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

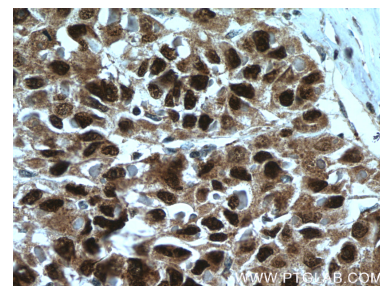
## Selected Validation Data



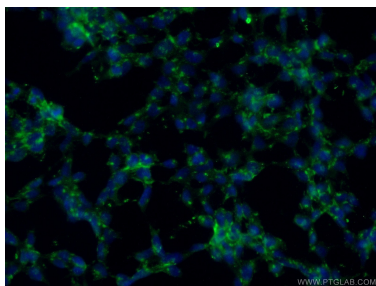
HEK-293 cells were subjected to SDS PAGE followed by western blot with 24777-1-AP (Caspase 2/p18 antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24777-1-AP (Caspase 2/p18 antibody) at dilution of 1:100 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 24777-1-AP (Caspase 2/p18 antibody) at dilution of 1:100 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 24777-1-AP (Caspase 2/p18 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).