

# Caspase 2/p32/p18 Polyclonal antibody

Catalog Number: 10436-1-AP

6 Publications

## Basic Information

## Catalog Number:

10436-1-AP

## Size:

700 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG0694

## 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, 18kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:100-1:400

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

ELISA, IF, RIP, WB

## Species Specificity:

human, mouse

## Cited Species:

human, mouse, rabbit

**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**: Staurosporine treated Jurkat cells, HEK-293 cells, HeLa cells, HL-60 cells, Jurkat cells, mouse kidney tissue, mouse liver tissue

**IP**: HeLa cells,

**IHC**: human kidney tissue,

## 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).

## Notable Publications

| Author         | Pubmed ID | Journal         | Application |
|----------------|-----------|-----------------|-------------|
| Bei Wang       | 34046026  | Front Microbiol | WB, IF      |
| Guo-Jian Jiang | 33798551  | Life Sci        | RIP         |
| Wen Su         | 32210806  | Front Pharmacol |             |

## 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

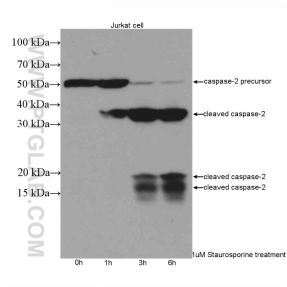
For technical support and original validation data for this product please contact:

T: 4006900926

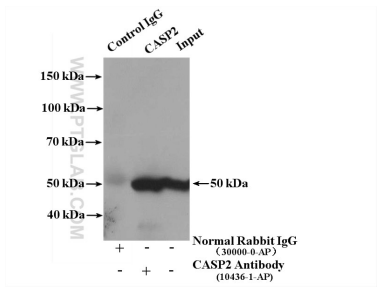
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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

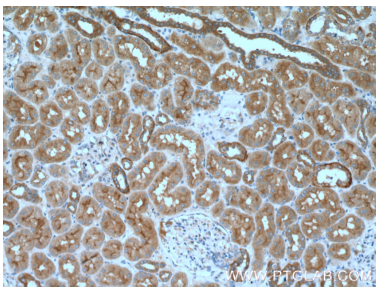
Selected Validation Data



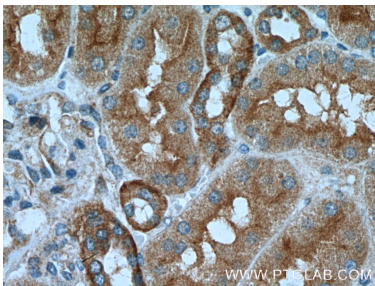
Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 10436-1-AP (Caspase 2/p18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-Caspase 2/p32/p18 (IP:10436-1-AP, 4ug; Detection:10436-1-AP 1:2000) with HeLa cells lysate 3000 ug.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10436-1-AP (Caspase 2/p18 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 10436-1-AP (Caspase 2/p18 antibody at dilution of 1:200 (under 40x lens).