

For Research Use Only

# Caspase 2/p32/p18 Monoclonal antibody, PBS Only



Catalog Number: 66517-1-PBS

## Basic Information

Catalog Number:

66517-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

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, 18 kDa

Purification Method:

Protein G purification

CloneNo.:

2G4C2

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

Human

## 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). This antibody can recognize the 32 kDa pro-caspase 2 as well as 18 kDa cleaved-caspase 2.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

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

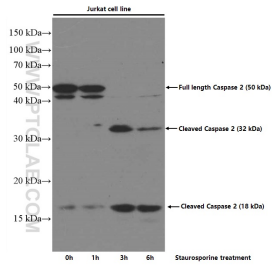
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Untreated and Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 66517-1-Ig (Caspase 2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66517-1-PBS in a different storage buffer formulation.