

For Research Use Only

# Caspase 2/p32/p18 Monoclonal antibody



Catalog Number: 66517-1-Ig

## Basic Information

Catalog Number:

66517-1-Ig

Size:

1900 µg/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

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

Human

Positive Controls:

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

## 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:

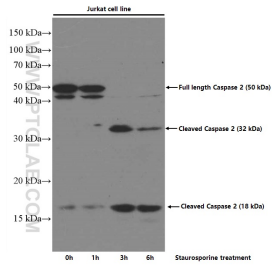
T: 4006900926

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



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.