

For Research Use Only

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



Catalog Number: 66517-1-PBS

## Basic Information

<b>Catalog Number:</b> 66517-1-PBS	<b>GenBank Accession Number:</b> BC002427	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 835	<b>CloneNo.:</b> 2G4C2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P42575	
<b>Isotype:</b> IgG1	<b>Full Name:</b> caspase 2, apoptosis-related cysteine peptidase	
<b>Immunogen Catalog Number:</b> AG20141	<b>Calculated MW:</b> 452 aa, 51 kDa	
	<b>Observed MW:</b> 48-51 kDa, 32 kDa, 18 kDa	

## 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

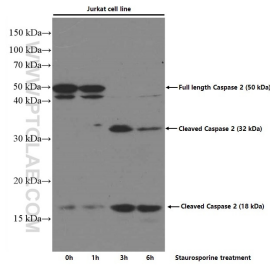
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.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. This data was developed using the same antibody clone with 66517-1-PBS in a different storage buffer formulation.