

Caspase 2/p32/p18 Monoclonal antibody

Catalog Number: 66517-1-Ig

Basic Information

Catalog Number: 66517-1-Ig	GenBank Accession Number: BC002427	Purification Method: Protein G purification
Size: 1900 µg/ml	GeneID (NCBI): 835	CloneNo.: 2G4C2
Source: Mouse	UNIPROT ID: P42575	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG1	Full Name: caspase 2, apoptosis-related cysteine peptidase	
Immunogen Catalog Number: AG20141	Calculated MW: 452 aa, 51 kDa	
	Observed MW: 48-51 kDa, 32 kDa, 18 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells,
Species Specificity: Human	

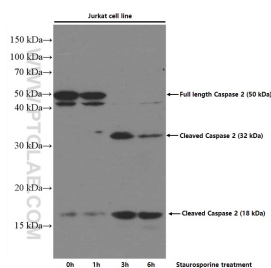
Background Information

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 -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



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.