

For Research Use Only

# Cleaved Caspase 3/P17/P19 Recombinant monoclonal antibody, PBS Only

Catalog Number: 82707-13-PBS



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
82707-13-PBS	NM_032991	Protein A purification
Source:	GeneID (NCBI):	CloneNo.:
Rabbit	836	230527B2
Isotype:	UNIPROT ID:	
IgG	P42574	
	Full Name:	
	caspase 3, apoptosis-related cysteine peptidase	
	Calculated MW:	
	32 kDa	
	Observed MW:	
	17 kDa, 19 kDa	

## Applications

Tested Applications:  
WB, IHC, ELISA  
Species Specificity:  
human, mouse

## Background Information

Caspases, a family of endoproteases, are critical players in cell regulatory networks controlling inflammation and cell death. Initiator caspases (caspase-2, -8, -9, -10, -11, and -12) cleave and activate downstream effector caspases (caspase-3, -6, and -7), which in turn execute apoptosis by cleaving targeted cellular proteins. Caspase 3 plays a key role in the activation of sterol regulatory element binding proteins (SREBPs) between the basic helix-loop-helix leucine zipper domain and the membrane attachment domain. Caspase 3 can form heterocomplex with other proteins. This antibody can recognize p17 and p19 fragment of Caspase 3. This antibody is specific for cleaved caspase 3, and does not recognize full length caspase-3. The cleaved P17 and P19 fragment might form complex and shows at around 30-35 kDa by western blot (PMID: 25501826).

## Storage

Storage:  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C  
Storage Buffer:  
PBS only, pH7.3

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

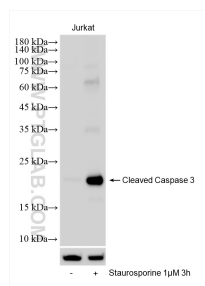
T: 4006900926

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

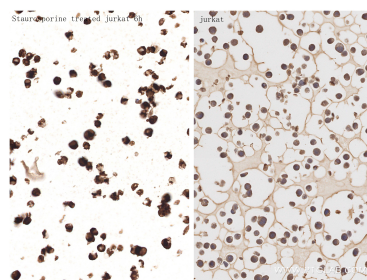
W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82707-13-RR (Cleaved Caspase 3/P17/P19 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82707-13-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 82707-13-RR (Cleaved Caspase 3/P17/P19 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82707-13-PBS in a different storage buffer formulation.