

For Research Use Only

# Cleaved Caspase 3/P17/P19 Recombinant antibody

Catalog Number: 82707-13-RR

3 Publications



## Basic Information

Catalog Number:

82707-13-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_032991

GeneID (NCBI):

836

UNIPROT ID:

P42574

Full Name:

caspase 3, apoptosis-related cysteine  
peptidase

Calculated MW:

32 kDa

Observed MW:

17 kDa, 19 kDa

Purification Method:

Protein A purification

CloneNo.:

230527B2

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

WB : Staurosporine treated Jurkat cells,

## 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).

## Notable Publications

| Author         | Pubmed ID | Journal              | Application |
|----------------|-----------|----------------------|-------------|
| Fei Hu         | 39939534  | J Membr Biol         | WB          |
| Bin Xia        | 39798643  | Arch Biochem Biophys | WB,IF       |
| Qingsheng Meng | 39817595  | CNS Neurosci Ther    | WB          |

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

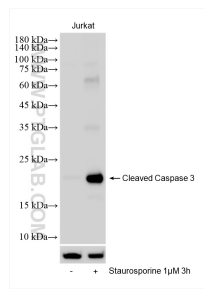
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## 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.