

For Research Use Only

PE-conjugated Cleaved Caspase 3/P17/P19 Monoclonal antibody

Catalog Number: PE-68773



Basic Information

Catalog Number:

PE-68773

Size:

100ul , Concentration: 200 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

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 G purification

CloneNo.:

2F7B8

Recommended Dilutions:

IF/ICC: 1:50-1:500

Excitation/Emission maxima

wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : 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 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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Staurosporine treated Jurkat cells using PE Cleaved Caspase 3/P17/P19 antibody (PE-68773, Clone: 2F7B8) at dilution of 1:100.