

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

Catalog Number: **PE-68773**

Basic Information

Catalog Number: PE-68773	GenBank Accession Number: NM_032991	Purification Method: Protein G purification
Source: Mouse	GeneID (NCBI): 836	CloneNo.: 2F7B8
Isotype: IgG1	UNIPROT ID: P42574	Recommended Dilutions: IF/ICC: 1:50-1:500
	Full Name: caspase 3, apoptosis-related cysteine peptidase	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
	Calculated MW: 32 kDa	
	Observed MW: 17 kDa, 19 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Staurosporine treated Jurkat cells,
Species Specificity: human, mouse, rat	

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

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.