

For Research Use Only

CoraLite®488-conjugated Caspase 3/p17/p19 Polyclonal antibody



Catalog Number: **CL488-19677**

Featured Product

Basic Information

Catalog Number: CL488-19677	GenBank Accession Number: NM_004346	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 836	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: caspase 3, apoptosis-related cysteine peptidase	Excitation/Emission maxima wavelengths: 488 nm/515 nm
Isotype: IgG	Calculated MW: 32 kDa	
	Observed MW: 32-35 kDa, 17 kDa, 19 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : NIH/3T3 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 (also named CPP32, SCA-1, and Apopain) proteolytically cleaves poly(ADP-ribose) polymerase (PARP) at the beginning of apoptosis. 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 also form heterocomplex with other proteins and performs the molecular mass of 50-70 kDa. This antibody can recognize p17, p19 and p32 of Caspase 3.

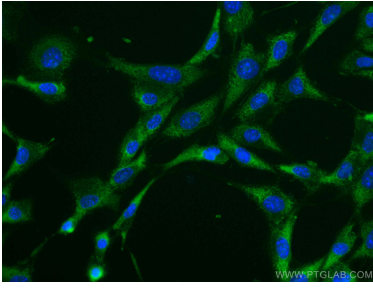
Storage

Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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 (-20°C Ethanol) fixed NIH/3T3 cells using CoraLite®488 Caspase 3/p17/p19 antibody (CL488-19677) at dilution of 1:100.