

For Research Use Only

CoraLite® Plus 488-conjugated Caspase 3/P17/P19 Polyclonal antibody

Catalog Number:**CL488-19677**

Featured Product



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-19677	NM_004346	Antigen affinity purification
Size:	GeneID (NCBI):	Recommended Dilutions:
100μl , Concentration: 1000 ug/ml by Nanodrop;	836	IF/ICC 1:50-1:500
Source:	UNIPROT ID:	Excitation/Emission maxima
Rabbit	P42574	wavelengths:
Isotype:	Full Name:	493 nm / 522 nm
IgG	caspase 3, apoptosis-related cysteine peptidase	
	Calculated MW:	
	32 kDa	
	Observed MW:	
	32-35 kDa, 17 kDa, 19 kDa	

Applications

Tested Applications:	Positive Controls:
IF/ICC	IF/ICC : HeLa cells, 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

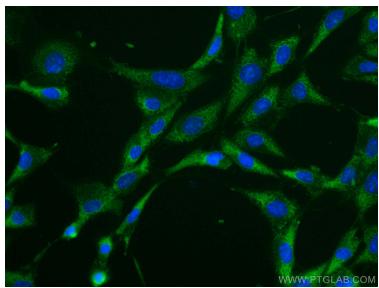
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

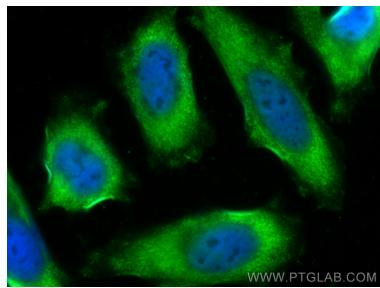
E: proteintech@ptglab.com
W: ptglab.com

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® Plus 488 Caspase 3/p17/p19 antibody (CL488-19677) at dilution of 1:100.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 Caspase 3/p17/p19 antibody (CL488-19677) at dilution of 1:200.