

For Research Use Only



Multi-rAb™ Cleaved Caspase 3/P17/P19 Multi-Recombinant antibody

Catalog Number: **RMX00003**

Basic Information

Catalog Number: RMX00003	GenBank Accession Number: NM_032991	Purification Method: N/A
Size: 100ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 836	Recommended Dilutions: WB 1:1000-1:6000 IHC 1:250-1:1000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: P42574	
Isotype: IgG	Full Name: caspase 3, apoptosis-related cysteine peptidase	
	Calculated MW: 32 kDa	
	Observed MW: 17 kDa, 19 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : Jurkat cells,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,
	IF/ICC : HeLa 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 of Caspase 3. This antibody is specific for cleaved caspase 3, and does not recognize full length caspase-3, it can recognize the 17 kDa cleaved-caspase 3. The cleaved P17 and P19 fragment might form complex and shows at around 30-35 kDa by western blot (PMID: 25501826).

Storage

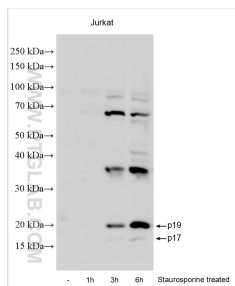
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

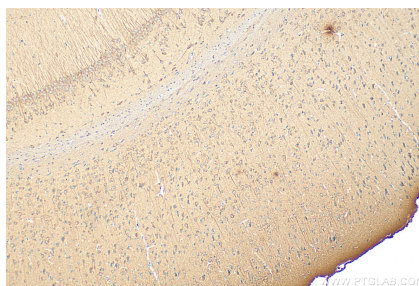
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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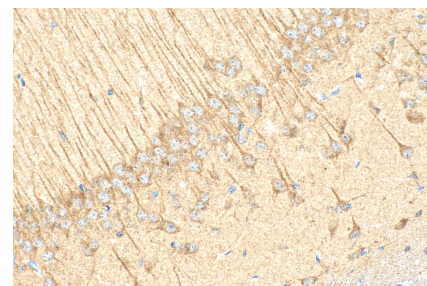
Selected Validation Data



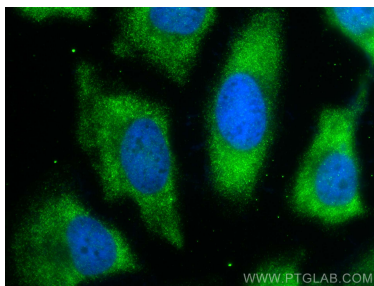
Staurosporine treated and untreated Jurkat cells were subjected to SDS PAGE followed by western blot with RMX00003 (Cleaved Caspase 3/P17/P19) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00003 (Cleaved Caspase 3/P17/P19 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using RMX00003 (Cleaved Caspase 3/P17/P19 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Cleaved Caspase 3/P17/P19 antibody (RMX00003) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).