

Cleaved Caspase 7 Recombinant monoclonal antibody

Catalog Number: 85328-1-RR

Basic Information

Catalog Number:	85328-1-RR	GenBank Accession Number:	BC015799	Purification Method:	Protein A purification
Source:	Rabbit	GeneID (NCBI):	840	CloneNo.:	242407C12
Isotype:	IgG	UNIPROT ID:	P55210	Recommended Dilutions:	WB: 1:500-1:2000 IHC: 1:200-1:800 IF/ICC: 1:250-1:1000
		Full Name:	caspase 7, apoptosis-related cysteine peptidase		
		Calculated MW:	303 aa, 34 kDa		
		Observed MW:	20-32 kDa		

Applications

Tested Applications:	WB, IHC, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human	WB :	Jurkat cells,
		IHC :	Jurkat cells,
		IF/ICC :	Staurosporine treated 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			

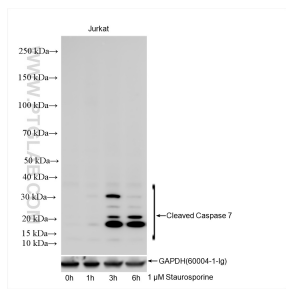
Background Information

Caspase 7 (CASP7), like caspases 3 and 6, contains a short prodomain and, upon apoptotic induction, the 35 kDa proform is converted into a 32 kDa intermediate or preactive form which is further processed into two active subunits consisting of the p20 or large (18 kDa) subunit and the p10 or small (11 kDa) subunit and it is present in the brain, which is up-regulated and activated after traumatic injury (PMID:15953353). Caspase-7 is classified as a member of the subgroup of cysteine proteases most related to the *Caenorhabditis elegans* factor CED-3, which also includes caspase-3, -6, and -9 (PMID:9426061). The protein is involved in the activation cascade of caspases responsible for apoptosis execution. This antibody recognizes the cleaved caspase 7.

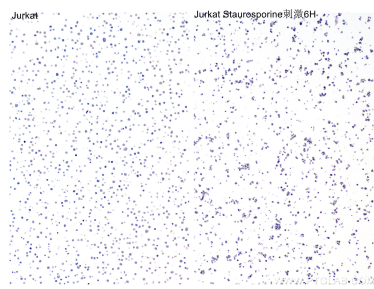
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

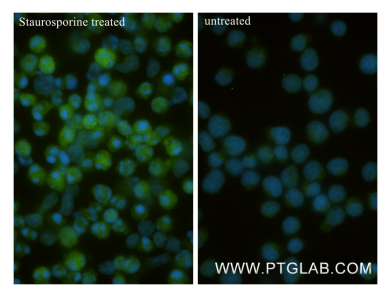
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85328-1-RR (Cleaved Caspase 7 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 85328-1-RR (Cleaved Caspase 7 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Staurosporine treated Jurkat cells using Cleaved Caspase 7 antibody (85328-1-RR, Clone: 242407C12) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).