

For Research Use Only

Caspase 7 Recombinant antibody, PBS Only

Catalog Number: 85323-1-PBS



Basic Information

Catalog Number: 85323-1-PBS	GenBank Accession Number: BC015799	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 840	CloneNo.: 242383A10
Source: Rabbit	UNIPROT ID: P55210	
Isotype: IgG	Full Name: caspase 7, apoptosis-related cysteine peptidase	
	Calculated MW: 303 aa, 34 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

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.

Storage

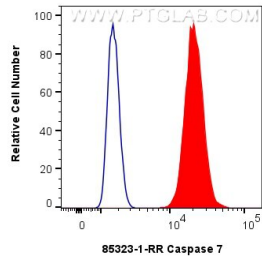
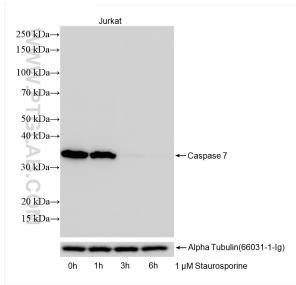
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85323-1-RR (Caspase 7 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85323-1-PBS in a different storage buffer formulation.

1x10⁶ HepG2 cells were intracellularly stained with 0.25 μ g Caspase 7 Recombinant Antibody (85323-1-RR, Clone:242383A10) and CoraLite[®] 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 85323-1-PBS in a

