

For Research Use Only

Caspase 10 Recombinant antibody, PBS Only

Catalog Number: 85196-3-PBS



Basic Information

Catalog Number: 85196-3-PBS	GenBank Accession Number: BC042844	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 843	CloneNo.: 242353H6
Source: Rabbit	UNIPROT ID: Q92851	
Isotype: IgG	Full Name: caspase 10, apoptosis-related cysteine peptidase	
	Calculated MW: 59 kDa	
	Observed MW: 59 kDa	

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

CASP10(Caspase-10) is also named as MCH4 and belongs to the peptidase C14A family. It is recruited to the CD99 and p55 tumor necrosis factor receptor signaling complexes and promoting CD95 (APO 1/Fas) apoptosis. It may also play a critical role in PTK7-knockdown-induced apoptosis, downstream of mitochondria(PMID:21103379). This protein can be Cleavage by granzyme B and autocatalytic activity generate two active subunits. Defects in CASP10 are the cause of autoimmune lymphoproliferative syndrome type 2A (ALPS2A)(PMID:16446975), familial non-Hodgkin lymphoma (NHL)(PMID:12010812) and gastric cancer (GASC)(PMID:11973654). The full length has a propeptide with 219 amino acid and 6 isoforms produced by alternative splicing.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

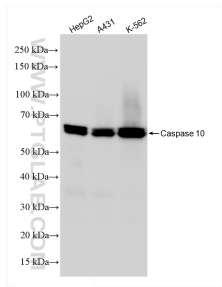
T: 4006900926

E: Proteintech-CN@ptglab.com

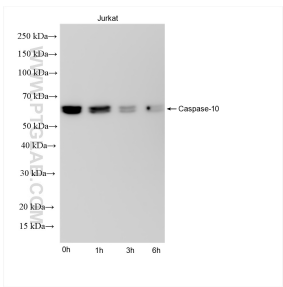
W: ptgcn.com

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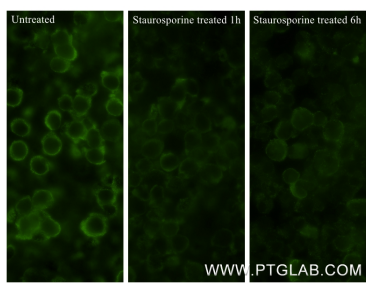
Selected Validation Data



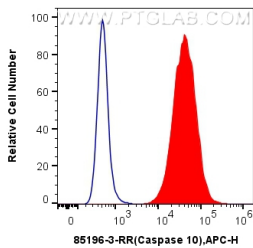
Various lysates were subjected to SDS PAGE followed by western blot with 85196-3-RR (Caspase 10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85196-3-PBS in a different storage buffer formulation.



Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 85196-3-RR (Caspase 10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85196-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using Caspase 10 antibody (85196-3-RR, Clone: 242353H6) at dilution of 1:800 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 85196-3-PBS in a different storage buffer formulation.



1x10⁶ HepG2 cells were intracellularly stained with 0.25 ug Caspase 10 Recombinant Antibody (85196-3-RR, Clone:242353H6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug 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 85196-3-PBS in a different storage buffer formulation.

