

For Research Use Only

# Caspase 10 Recombinant antibody

Catalog Number: 85196-1-RR



## Basic Information

<b>Catalog Number:</b> 85196-1-RR	<b>GenBank Accession Number:</b> BC042844	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 843	<b>CloneNo.:</b> 242353A8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92851	<b>Recommended Dilutions:</b> WB 1:1000-1:8000
<b>Isotype:</b> IgG	<b>Full Name:</b> caspase 10, apoptosis-related cysteine peptidase	
	<b>Calculated MW:</b> 59 kDa	
	<b>Observed MW:</b> 59 kDa	

## Applications

<b>Tested Applications:</b> WB, FC (Intra), ELISA	<b>Positive Controls:</b> WB : HepG2 cells, A431 cells, K-562 cells
<b>Species Specificity:</b> 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

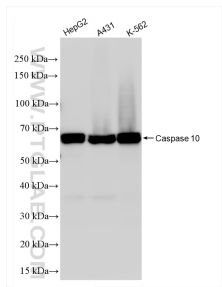
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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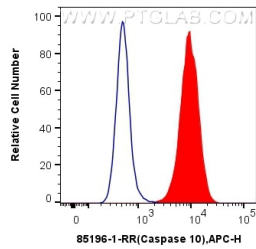
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85196-1-RR (Caspase 10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.

1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.25 ug Caspase 10 Recombinant Antibody (85196-1-RR, Clone:242353A8) 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).



1x10<sup>6</sup> K562 were intracellularly stained with 0.25 ug Caspase 10 Recombinant Antibody (85196-1-RR, Clone:242353A8) 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).

