

For Research Use Only

Caspase 10 Recombinant antibody

Catalog Number: 85196-3-RR



Basic Information

Catalog Number:

85196-3-RR

Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC042844

GeneID (NCBI):

843

UNIPROT ID:

Q92851

Full Name:

caspase 10, apoptosis-related cysteine peptidase

Calculated MW:

59 kDa

Observed MW:

59 kDa

Purification Method:

Protein A purification

CloneNo.:

242353H6

Recommended Dilutions:

WB: 1:1000-1:8000

IHC: 1:1000-1:4000

IF/ICC: 1:400-1:1600

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HepG2 cells, Jurkat cells, A431 cells, K-562 cells

IHC: Jurkat cells,

IF/ICC: Jurkat cells,

FC (Intra): HepG2 cells,

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 (APO1/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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

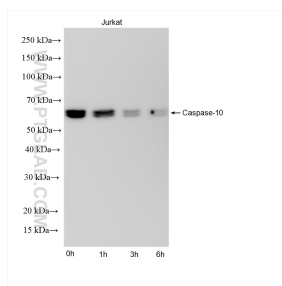
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

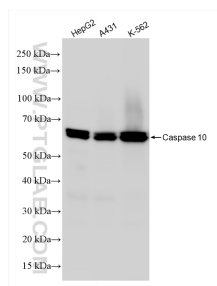
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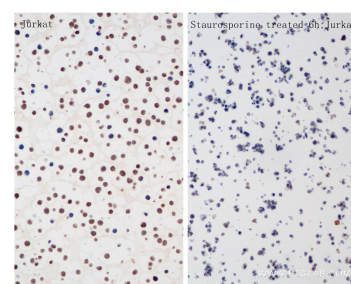
Selected Validation Data



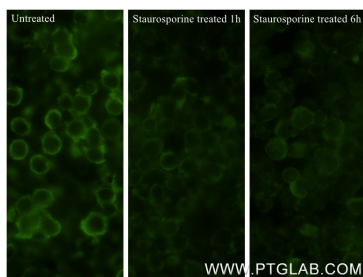
Staurosporine treated Jurkat cells were subjected to SDS PAGE followed by western blot with 85196-3-RR (Caspase 10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



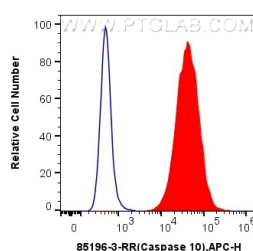
Various lysates were subjected to SDS PAGE followed by western blot with 85196-3-RR (Caspase 10 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Jurkat cells slide using 85196-3-RR (Caspase 10 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g Caspase 10 Recombinant Antibody (85196-3-RR, Clone:242353H6) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(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).