

For Research Use Only

CoraLite® Plus 750-conjugated Caspase 1 Recombinant antibody

Catalog Number:CL750-81482



Basic Information

Catalog Number: CL750-81482	GenBank Accession Number: BC062327	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 834	CloneNo.: 1O18
Source: Rabbit	UNIPROT ID: P29466	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG	Full Name: caspase 1, apoptosis-related cysteine peptidase (interleukin 1, beta, convertase)	Excitation/Emission maxima wavelengths: 755 nm / 780 nm
Immunogen Catalog Number: AG11143	Calculated MW: 404 aa, 45 kDa	
	Observed MW: 30 kDa, 35 kDa, 43-45 kDa	

Applications

Tested Applications: WB	Positive Controls: WB : THP-1 cells, U-937 cells
Species Specificity: human	

Background Information

CASP1(caspase-1) is also named as IL1BC, IL1BCE and belongs to the peptidase C14A family. It is a cysteine protease that regulates inflammatory processes through its capacity to process and activate the interleukin-1-beta (IL1B), IL18, and IL33 precursor proteins. The active caspase-1 can increase cellular membrane permeability and intracellular calcium levels, which facilitates lysosome exocytosis and release of host antimicrobial factors and microbial products (PMID:21804020). It has 5 isoforms produced by alternative splicing. 81482-1-RR can recognize the splicing isoforms of caspase 1.

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

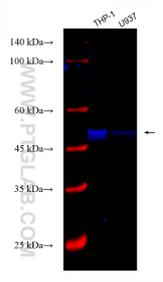
For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-81482 (Caspase 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.