

For Research Use Only

Phospho-IkB Beta (Thr19/Ser23) Recombinant antibody

Catalog Number: 84403-1-RR



Basic Information

Catalog Number: 84403-1-RR	GenBank Accession Number: BC015528	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4793	CloneNo.: 241061B2
Source: Rabbit	UNIPROT ID: Q15653	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	
	Calculated MW: 356 aa, 38 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, FC (Intra), ELISA

Species Specificity:
human

Positive Controls:
WB: TNF alpha and Calyculin A treated HT-29 cells,

Background Information

IkB Beta is also named as NF-kappa-B inhibitor beta (NFKBIB) and TRIP-9. IKBB is one of the major isoforms of the NFKB inhibitor which preferentially interacts with c-Rel or p65 NF-kB dimers (PMID: 26227166). IKBB was reported to be associated with tumor growth inhibition and metastasis in lung cancer (PMID: 11402320). IKBB also inhibits cancer cell regulation through inactivation of the NFkB pathway (PMID: 18950638). Exposure of cells to a variety of extracellular stimuli leads to the rapid phosphorylation, ubiquitination, and ultimately proteolytic degradation of IkB, which frees NF-kB to translocate to the nucleus where it regulates gene transcription (PMID: 10837071). The antibody is phosphorylated at Thr19 and Ser23.

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.

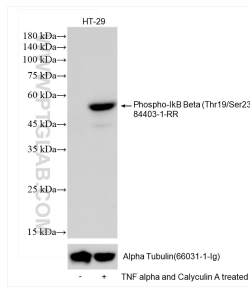
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

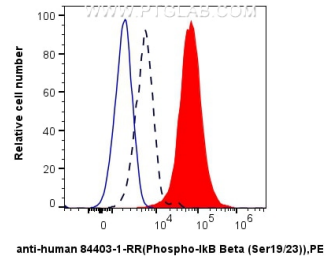
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Non-treated HT-29 cells and TNF alpha and Calyculin A treated HT-29 cells were subjected to SDS PAGE followed by western blot with 84403-1-RR (Phospho-IkB Beta (Thr19/Ser23) antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with Alpha Tubulin (66031-1-Ig) antibody as a loading control.



1×10^6 TNF alpha and Calyculin A treated or untreated (black) HT-29 cells were intracellularly stained with 0.25 ug Phospho-IkB Beta (Thr19/Ser23) Recombinant antibody (84403-1-RR, Clone:241061B2) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.