

For Research Use Only

# Phospho-IkB Beta (Thr19/Ser23) Recombinant antibody

Catalog Number: 84403-1-RR



## Basic Information

Catalog Number:

84403-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC015528

GeneID (NCBI):

4793

UNIPROT ID:

Q15653

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

Purification Method:

Protein A purification

CloneNo.:

241061B2

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

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

## Background Information

IκB Beta is also named as NF-kappa-B inhibitor beta (NFKB1B) and TRIP-9. IκBB is one of the major isoforms of the NFKB inhibitor which preferentially interacts with c-Rel or p65 NF-kB dimers (PMID: 26227166). IκBB was reported to be associated with tumor growth inhibition and metastasis in lung cancer (PMID: 11402320). IκBB 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 IκB, 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

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

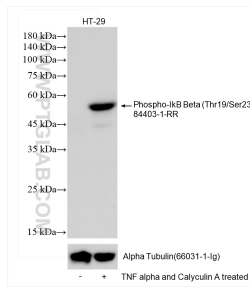
T: 4006900926

E: Proteintech-CN@ptglab.com

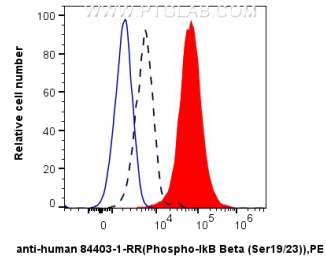
W: ptgcn.com

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## Selected Validation Data



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.



$1 \times 10^6$  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.