

For Research Use Only

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

Catalog Number: 84403-1-PBS



## Basic Information

<b>Catalog Number:</b> 84403-1-PBS	<b>GenBank Accession Number:</b> BC015528	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4793	<b>CloneNo.:</b> 241061B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q15653	
<b>Isotype:</b> IgG	<b>Full Name:</b> nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	
	<b>Calculated MW:</b> 356 aa, 38 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Indirect ELISA

**Species Specificity:**  
human

## Background Information

IkB Beta is also named as NF-kappa-B inhibitor beta (NFKB1B) 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

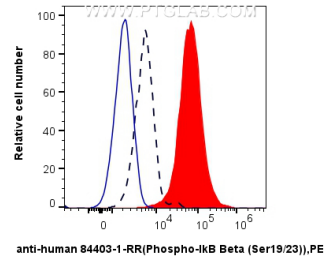
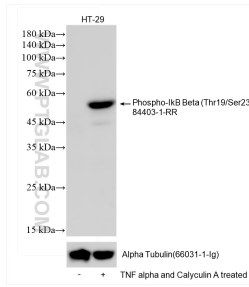
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## Selected Validation Data



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. This data was developed using the same antibody clone with 84403-1-PBS in a different storage buffer formulation.

$1 \times 10^6$  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. This data was developed using the same antibody clone with 84403-1-PBS in a different storage buffer formulation.