

**I $\kappa$ B- $\beta$  (phospho Ser23) rabbit pAb****Cat#: orb764221 (Manual)**

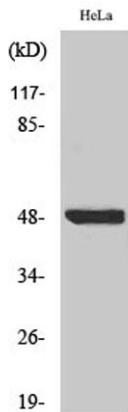
For research use only. Not intended for diagnostic use.

<b>Product Name</b>	I $\kappa$ B- $\beta$ (phospho Ser23) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human I $\kappa$ B- $\beta$ around the phosphorylation site of Ser23. AA range:8-57
<b>Specificity</b>	Phospho-I $\kappa$ B- $\beta$ (S23) Polyclonal Antibody detects endogenous levels of I $\kappa$ B- $\beta$ protein only when phosphorylated at S23.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	NF-kappa-B inhibitor beta
<b>Gene Name</b>	NFKBIB
<b>Cellular localization</b>	Cytoplasm . Nucleus .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

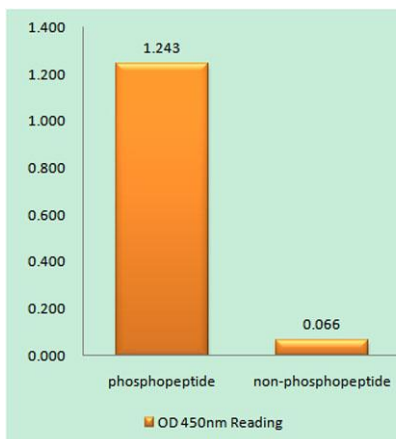
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	37kD
<b>Human Gene ID</b>	4793
<b>Human Swiss-Prot Number</b>	Q15653
<b>Alternative Names</b>	NFKBIB; IKBB; TRIP9; NF-kappa-B inhibitor beta; NF-kappa-BIB; I-kappa-B-beta; Ikb-B; Ikb-beta; IkappaBbeta; Thyroid receptor-interacting protein 9; TR-interacting protein 9; TRIP-9

### Background

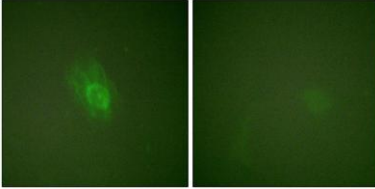
The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Jul 2011],



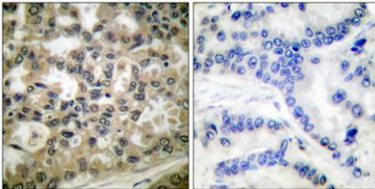
**Western Blot analysis of various cells using Phospho-IκB-β (S23) Polyclonal Antibody**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using IkappaB-beta (Phospho-Ser23) Antibody**



**Immunofluorescence analysis of HeLa cells treated with TNF-a 20nM 15', using IkappaB-beta (Phospho-Ser23) Antibody. The picture on the right is blocked with the phospho peptide.**



**Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using IkappaB-beta (Phospho-Ser23) Antibody. The picture on the right is blocked with the phospho peptide.**