

Rabbit IkappaB-beta Polyclonal Antibody | anti-IkappaB-beta antibody

IkappaB-beta (Phospho-Ser23) Antibody

CATALOG # AAA302932	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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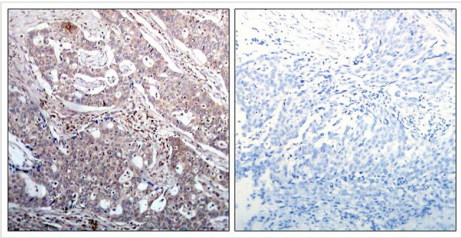
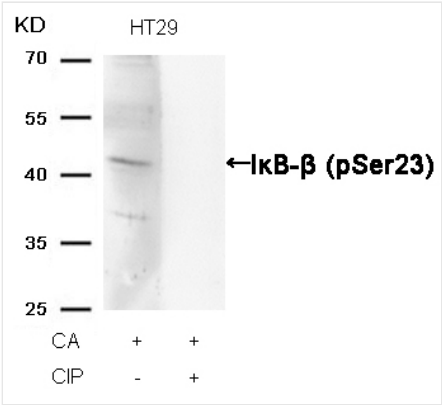
PRODUCT SYNONYMS

IkappaB-beta; Polyclonal Antibody; IkappaB-beta (Phospho-Ser23) Antibody; IkB-b (Phospho-Ser23) Antibody; I-kappa-B-beta; IKB-B; IKBB; NF-kappa-BIB; NF-kappaB inhibitor beta; anti-IkappaB-beta antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of IkB-b only when phosphorylated at serine 23.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-IkappaB-beta antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 23 (L-G-S(p)-L-G) derived from Human IkB-b.
Modification	Phospho-Ser23
Target Name	IkB-b
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-b(Phospho-Ser23) Antibody (left) or the same antibody preincubated with blocking peptide(right).

WB (Western Blot)
Western blot analysis of extracts from HT29 cells, treated with CA or calf intestinal phosphatase (CIP), using IkappaB-beta (Phospho-Ser23) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-IkappaB-beta antibody	Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation.
Product Categories/Family for anti-IkappaB-beta antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	340805857
NCBI GeneID	4793
NCBI Accession #	NP_001230045.1
NCBI GenBank Nucleotide #	NM_001243116.1
UniProt Accession #	Q15653; Q96BJ7; A8K3F4
Molecular Weight	35,530 Da
NCBI Official Full Name	NF-kappa-B inhibitor beta isoform 2
NCBI Official Synonym Full Names	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta
NCBI Official Symbol	NFKBIB
NCBI Official Synonym Symbols	IKBB; TRIP9
NCBI Protein Information	NF-kappa-B inhibitor beta
UniProt Protein Name	NF-kappa-B inhibitor beta
UniProt Gene Name	NFKBIB
UniProt Synonym Gene Names	IKBB; TRIP9; NF-kappa-BIB; IkB-B; IkB-beta; IkappaBbeta; TR-interacting protein 9; TRIP-9
UniProt Entry Name	IKBB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.