

IkB-b(Phospho-Ser23) Antibody

Catalog No: #11304

Package Size: #11304-1 50ul #11304-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

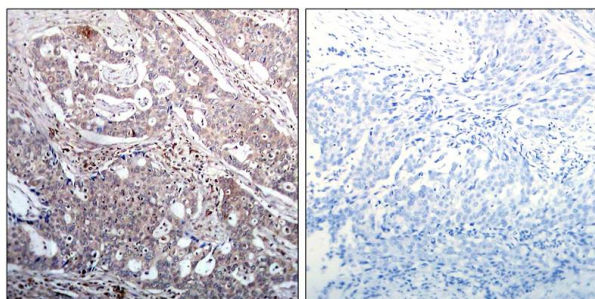
Product Name	IkB-b(Phospho-Ser23) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of IkB-b only when phosphorylated at serine 23.
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.
Target Name	IkB-b
Modification	Phospho
Other Names	I-kappa-B-beta; IKB-B; IKBB; NF-kappa-BIB; NF-kappaB inhibitor beta
Accession No.	Swiss-Prot: Q15653NCBI Protein: NP_001001716.1
Concentration	1.0mg/ml
Formulation	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.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

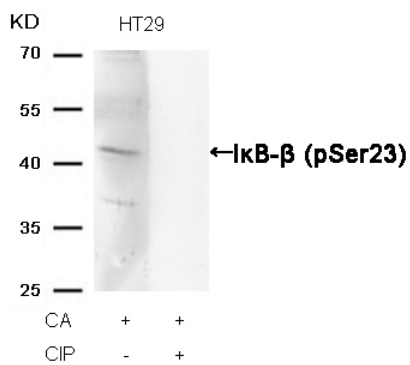
Predicted MW: 48kd

Immunohistochemistry: 1:50~1:100

Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-b(Phospho-Ser23) Antibody #11304(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from HT29 cells, treated with CA or calf intestinal phosphatase (CIP), using IκB-β (Phospho-Ser23) Antibody #11304.

Background

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.

Shirane, M. et al. (1999) J Biol Chem 274, 28169-28174.

DiDonato J, et al. (1996) Mol Cell Biol 16(4): 1295-304

Note: This product is for in vitro research use only and is not intended for use in humans or animals.