

## IκB-b(Phospho-Ser23) Antibody

Catalog No: #11304

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

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

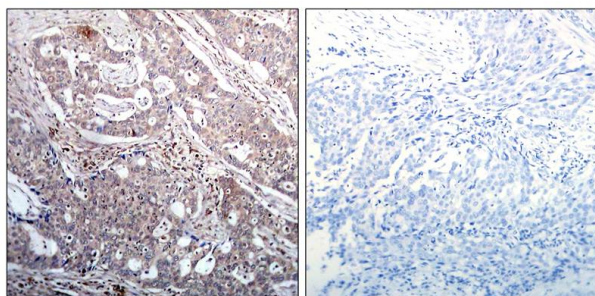
|                       |  |
|-----------------------|--|
| Product Name          | IκB-b(Phospho-Ser23) Antibody  |
| Host Species          | Rabbit   |
| Clonality             | Polyclonal   |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and 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 IκB-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 IκB-b.   |
| Target Name           | IκB-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   |
| Uniprot               | Q15653   |
| GeneID                | 4793;  |
| Concentration         | 1.0mg/ml   |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 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

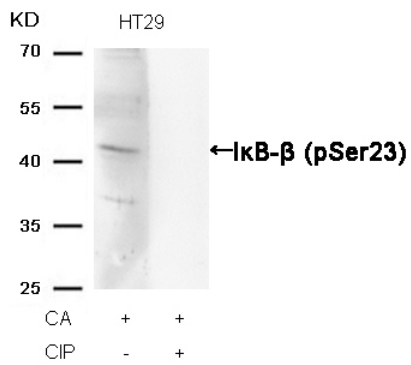
Predicted MW: 48kd

Immunohistochemistry: 1:50~1:100

## Images



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-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