IkB-β (Phospho-Ser23) Antibody

#11304

Catalog Number: 11304-1, 11304-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : Q15653

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human IkB-β around the phosphorylation site of serine 23 (L-G-Sp-L-G).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site

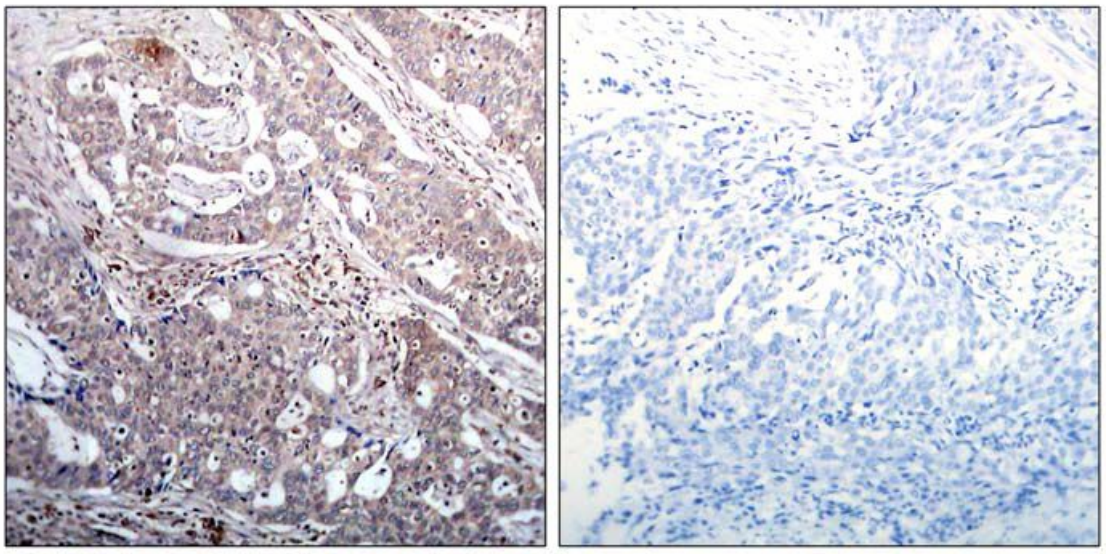
Specificity/Sensitivity: I κ B-β (phospho-Ser23) antibody detects endogenous levels of I κ B-β only when phosphorylated at serine 23

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 48kd

IHC: 1:50~1:100



P-Peptide　　−　　+

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-β (phospho-Ser23) antibody (#11304).

Background :

IInhibits 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.

References：

Shirane, M. et al. (1999) J Biol Chem 274, 28169-28174.
DiDonato J, et al. (1996) Mol Cell Biol 16(4): 1295-304