IKKα/β (Phospho-Ser180/181) Antibody

#11532

Catalog Number: 11532-1, 11532-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : O15111 O14920

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 IKKα/β around the phosphorylation site of serine 180/181 (C-T-Sp-F-V).

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

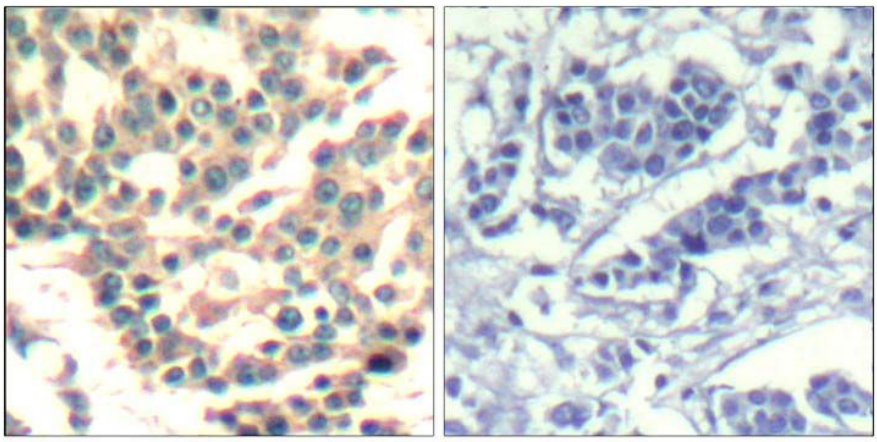
Specificity/Sensitivity: IKKα/β (phospho-Ser180/181) Antibody detects endogenous levels of IKKα/β only when phosphorylated at Serine 180/181.

Reactivity: Human,Mouse

Applications:

Predicted MW: 85kd

IHC: 1:50~1:100 WB:1:500~1:1000



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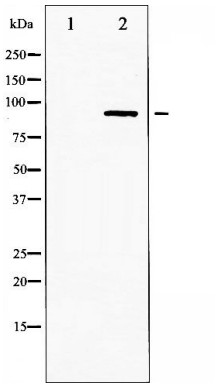
P-Peptide − +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IKKα/Ikkβ (phospho-Ser180/181) Antibody (#11532).



Western blot analysis of IKK- alpha/ beta phosphorylation expression in TNF treated HepG2 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.

Background :

IKK-beta a kinase of the IKK family. Phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Preferentially found as a heterodimer with IKK-alpha but also as an homodimer

References：

Baeuerle, P.A. and Baltimore, D. (1988) *Science* 242, 540-6.
Chen, Z.J. et al. (1996) *Cell* 84, 853-62.
Delhase, M. et al. (1999) *Science* 284, 309-13.