

IkB-ε (Phospho-Ser22) Antibody



Catalog Number: 11213-1, 11213-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No.: 000221

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°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human IkB- ϵ around the phosphorylation site of serine 22 (I-E-S^P-L-R).

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

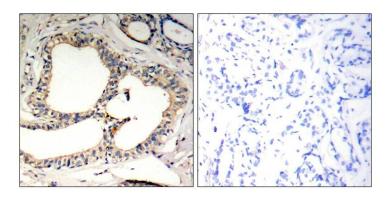
Specificity/Sensitivity: IkB- ε (Phospho-Ser22) antibody detects endogenous levels of IkB- ε only when phosphorylated at serine 22.

Reactivity: Human, Mouse,

Applications:

Predicted MW: 40kd

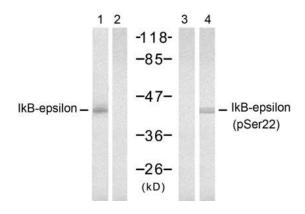
WB: 1:500~1:1000 IHC: 1:50~1:100



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded

human breast carcinoma tissue using IkB- ϵ (Phospho-Ser22) antibody (#11213).



TNF-α - - +

Peptide - + -

Western blot analysis of extract from 293 cells, untreated or treated with TNF- α (20ng/ml, 15min), using lkB- ϵ (Ab-22) antibody (#21296, Lane 1 and 2) and lkB- ϵ (Phospho-Ser22) antibody (#11213, Lane 3 and 4).

Background:

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. Inhibits DNA-binding of NF-kappa-B p50-p65 and p50-c-Rel complexes

References:

Shirane M, et al. (1999) J Biol Chem; 274(40): 28169-74

Karin, M. and Ben-Neriah, Y. (2000) Annu. Rev. Immunol. ;18, 621-663.

Chen, Z.J. et al. (1996) Cell; 84, 853-862.

Brown, K. et al. (1995) Science; 267, 1485-1488.