

## IkB-ε(Ab-22) Antibody



Catalog Number: 21296-1, 21296-2

**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 non-phosphopeptide derived from human IkB- ε around the phosphorylation site of serine 22 ( I-E-S<sup>P</sup>-L-R).

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

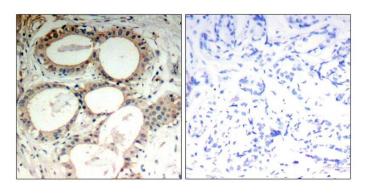
**Specificity/Sensitivity:** IkB- ε (Ab-22) antibody detects endogenous levels of total IkB protein.

Reactivity: Human, Mouse,

## Applications:

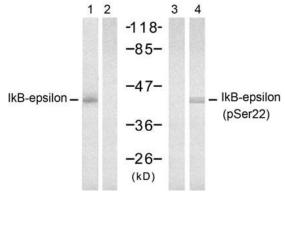
Predicted MW: 40kd

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



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-  $\epsilon$  (Ab-22) antibody (#21296).



TNF- $\alpha$  - - +

Peptide - + - -

Western blot analysis of extract from 293 cells, untreated or treated with TNF-  $\alpha$  (20ng/ml, 15min), using lkB-  $\epsilon$  (Ab-22) antibody (#21296, Lane 1 and 2) and lkB-  $\epsilon$  (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.