IkB-α(Ab-42) Antibody

#21176

Catalog Number: 21176-1, 21176-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. : P25963

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 non-phosphopeptide derived from human IkB-α around the phosphorylation site of tyrosine 42 (E-E-Y^{P}-E-Q).

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

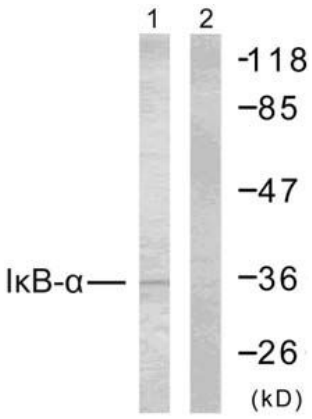
Specificity/Sensitivity: IκB-α (Ab-42) antibody detects endogenous levels of total IκB-α protein.

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 85kd

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



TNF-α + +

Peptide − +

Western blot analysis of extracts from 293 cells untreated or treated with TNF-α (20ng/ml, 30min), using Iκ B-α (Ab-42) antibody (#21176).

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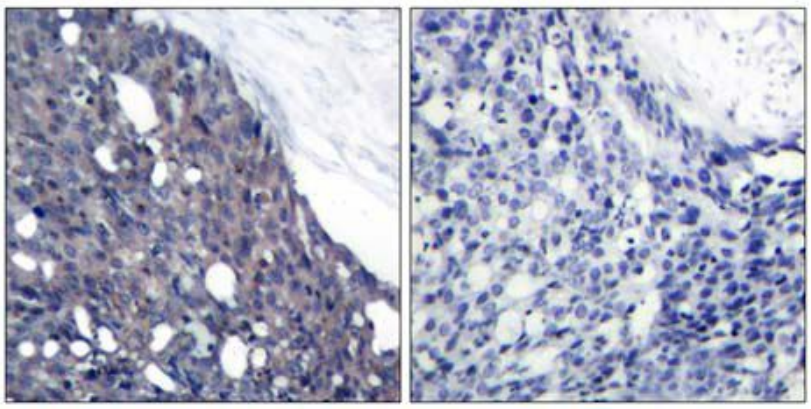

Peptide　　−　　+

Immunohistochemical analysis of paraffin-embedded
human breast carcinoma tissue using IkB-α (Ab-42) antibody (#21176).

Background :

Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to tranlocate to the nucleus and activate transcription.

References：

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Liu L, et al. (1998) Mol Cell Biol 18(7): 4221-4234.
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