



I κ B- α (Ab-32/36) Antibody

#21122

Catalog Number: 21122-1, 21122-2

Amount: 50 μ g/50 μ l, 100 μ g/100 μ l

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°C/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from human I κ B- α around the phosphorylation site of serine 32/36 (H-D-S_P-G-L- D-S_P-M-K).

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

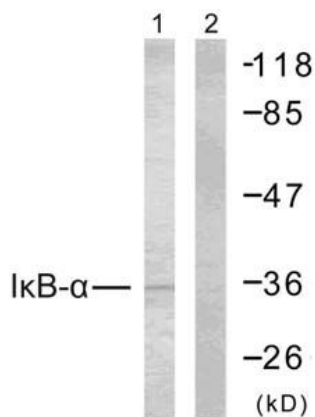
Specificity/Sensitivity: I κ B- α (Ab-32/36) antibody detects endogenous levels of total I κ B- α protein.

Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 85kd

WB: 1:500~1:1000 IHC: 1:50~1:100 IF: 1:100~1:200

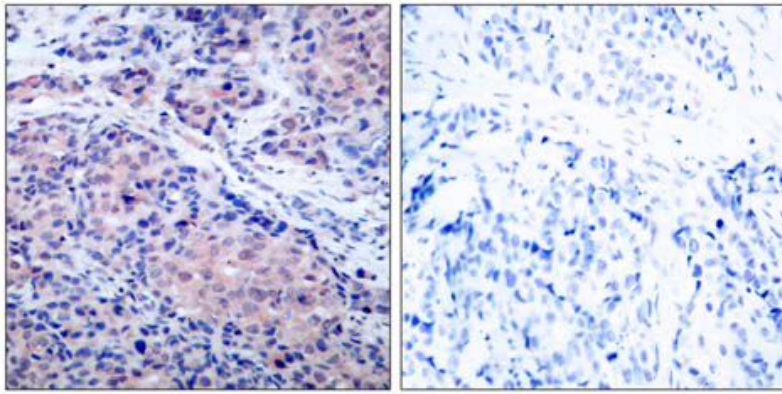


TNF- α + +

Peptide - +

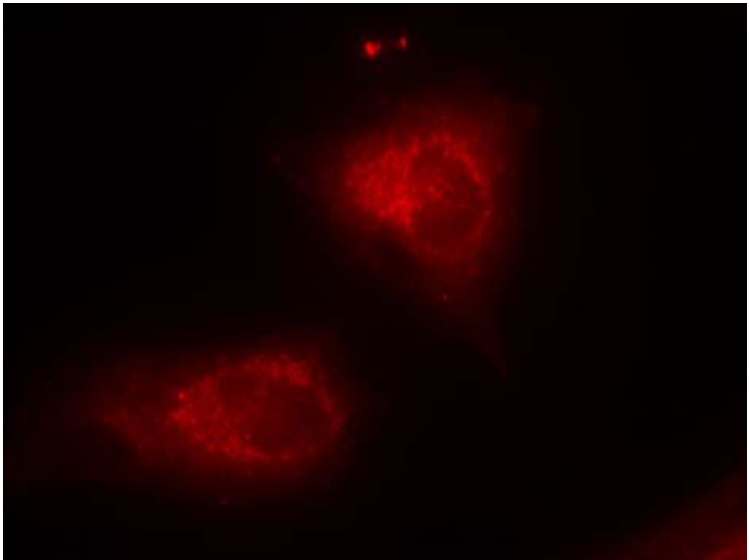
Western blot analysis of extracts from MCF7 cells using

I κ B- α (Ab-32/36) antibody (#21122).



Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-α (Ab-32/36) antibody (#21122).



Immunofluorescence staining of methanol-fixed HeLa cells using IκB-α (Ab-32/36) antibody (#21122, Red).

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:

Mattioli I, et al. (2004)J Immunol; 172(10): 6336-44.
 Courtois G, et al. (2003)J Clin Invest; 112(7): 1108-15.
 Nair A, et al. (2003) Oncogene; 22(1): 50-8.
 Fan C, et al. (2002)J Cell Sci; 115(Pt 24): 4843-53.
 Schubert SY, et al. (2002)FASEB J; 16(14): 1931-3