

## 35-1518: Polyclonal Antibody to IκB- Alpha (Ab-42)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC, WB
<b>Reactivity :</b>	Mouse, Human
<b>Gene :</b>	NFKBIA
<b>Gene ID :</b>	4792
<b>Uniprot ID :</b>	P25963
<b>Format :</b>	Purified
<b>Alternative Name :</b>	I-kappa-B-alpha, IKBA, NF-kappaB inhibitor alpha, NFKBI, NFKBIA
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around aa. 40~44 (E-E-Y-E-Q) derived from Human IκB-α.

### Description

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 translocate to the nucleus and activate transcription.

### Product Info

<b>Amount :</b>	50 μl / 100 μl
<b>Content :</b>	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Predicted MW: 39kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100

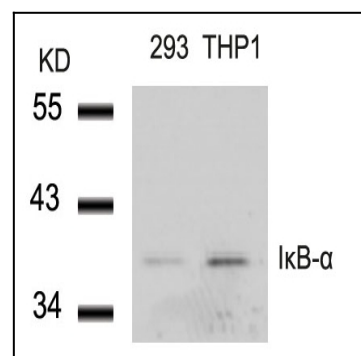


Figure 1: Western blot analysis of extracts from 293 and THP1 cells using IκB-α (Ab-42) Antibody 35-1518.

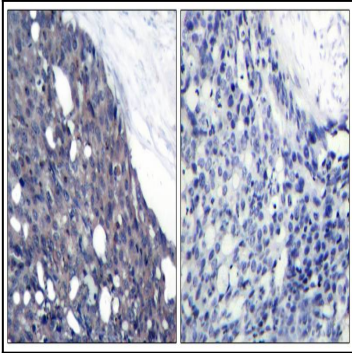


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-α(Ab-42) Antibody 35-1518 (left) or the same antibody preincubated with blocking peptide(right).