## 35-1471: Polyclonal Antibody to IkB- Alpha (Ab-32/36)

| Clonality : | Polyclonal |
| :--- | :--- |
| Application : | IHC,WB,IF |
| Reactivity : | Mouse,Human |
| Gene : | NFKBIA |
| Gene ID : | 4792 |
| Uniprot ID : | P25963 |
| Format : | Purified |
| Alternative Name : | I-kappa-B-alpha, IKBA, NF-kappaB inhibitor alpha, NFKBI, NFKBIA |
| Isotype : | Rabbit IgG |
| Immunogen Information $:$ | Peptide sequence around aa.30~34/34~38 (H-D-S-G-L- D-S -M-K) derived from Human IkB-a. |

## 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 tranlocate to the nucleus and activate transcription.

## Product Info

\(\left.\begin{array}{ll}Amount : \& 50 \mu \mathrm{l} / 100 \mu \mathrm{l} <br>
Content : \& Supplied at 1.0 \mathrm{mg} / \mathrm{mL} in phosphate buffered saline (without \mathrm{Mg} 2+\mathrm{and} \mathrm{Ca} 2+), \mathrm{pH} 7.4,150 \mathrm{mM} <br>

\& \mathrm{NaCl}, 0.02 \% sodium azide and 50 \% glycerol.\end{array}\right]\)| Store the antibody at $4^{\circ} \mathrm{C}$, stable for 6 months. For long-term storage, store at $-20^{\circ} \mathrm{C}$. Avoid |
| :--- |
| Storage condition: |
| repeated freeze and thaw cycles. |

## Application Note

Predicted MW: 39kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100, Immunofluorescence: 1:100~1:200


Figure 1: Western blot analysis of extracts from 293 and 3 T3 cells using lkB-a (Ab-32/36) Antibody 35-1471 .


Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using lkB-a (Ab-32/36) Antibody 35-1471 (left) or the same antibody preincubated with blocking peptide(right).

Figure 3: Immunofluorescence staining of methanol-fixed Hela cells using lkB-a (Ab-32/36) Antibody 35-1471 .

