

### 35-1274: Polyclonal Antibody to IκB-beta (Phospho-Ser23)

<b>Clonality :</b>	Polyclonal
<b>Application :</b>	IHC, WB
<b>Reactivity :</b>	Rat, Mouse, Human
<b>Gene :</b>	NFKB1B
<b>Gene ID :</b>	4793
<b>Uniprot ID :</b>	Q15653
<b>Format :</b>	Purified
<b>Alternative Name :</b>	I-kappa-B-beta, IKB-B, IKBB, NF-kappa-BIB, NF-kappaB inhibitor beta
<b>Isotype :</b>	Rabbit IgG
<b>Immunogen Information :</b>	Peptide sequence around phosphorylation site of serine 23 (L-G-S(p)-L-G) derived from Human IκB-b.

#### Description

Inhibits NF-kappa-B by complexing with and trapping it in the cytoplasm. However, the unphosphorylated form resynthesized after cell stimulation is able to bind NF-kappa-B allowing its transport to the nucleus and protecting it to further IKBA-dependent inactivation. Association with inhibitor kappa B-interacting NKIRAS1 and NKIRAS2 prevent its phosphorylation rendering it more resistant to degradation, explaining its slower degradation. Shirane, M. et al. (1999) J Biol Chem 274, 28169-28174. DiDonato J, et al. (1996) Mol Cell Biol 16(4): 1295-304

#### 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: 48kd, Immunohistochemistry: 1:50~1:100

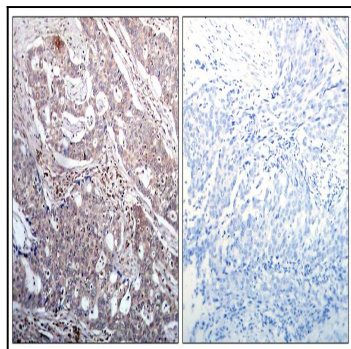


Figure 1: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IκB-b(Phospho-Ser23) Antibody 35-1274 (left) or the same antibody preincubated with blocking peptide(right).

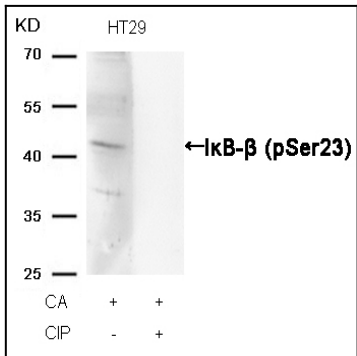


Figure 2: Western blot analysis of extracts from HT29 cells, treated with CA or calf intestinal phosphatase (CIP), using IκB-β (Phospho-Ser23) Antibody 35-1274 .