Data Sheet (Cat.No.TMAC-02120)

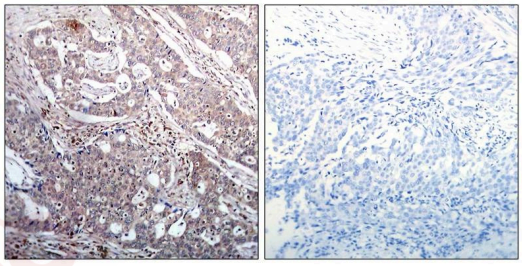
Anti-Phospho-IkappaB- beta (Ser23) Polyclonal Antibody

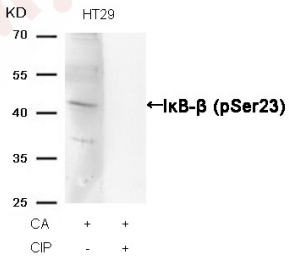
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:	1. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using IkB-b (Phospho-Ser23) Antibody TMAC-02120 (left) or the same antibody preincubated with blocking peptide (right). 2. Western blot analysis of extracts from HT29 cells, treated with CA or calf intestinal phosphatase (CIP), using IkB-b (Phospho-Ser23) Antibody TMAC-02120.





Application:	IHC,WB

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 23 (L-G-S(p)-L-G) derived from Human IkB-b
Antigen Species:	Human
Uniprot ID:	Q15653
Synonyms:	p-IkappaB- beta (Ser23);p-IkappaB- beta (S23);IkappaB- beta (p-Ser23);IkappaB- beta (p-S23)

Research Background

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.

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