

## Anti-IkappaB- beta Antibody (5Y651)

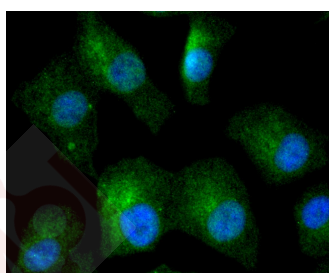
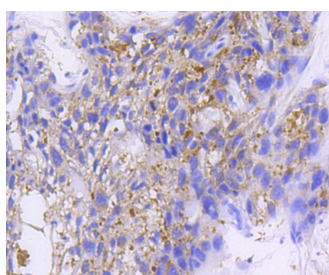
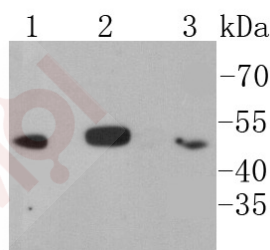
### Product Details

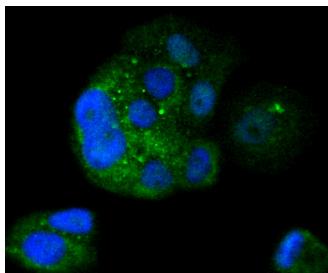
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 48 kDa.
Clone:	5Y651
Purification:	ProA affinity purified

### Applications

#### Verified Activity:

1. Western blot analysis of IKB beta on different lysates using anti-IKB beta antibody at 1/1,000 dilution. Positive control: Lane 1: Jurkat, Lane 2: HeLa, Lane 3: THP-1.
2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-IKB beta antibody. Counter stained with hematoxylin.
3. ICC staining IKB beta in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
4. ICC staining IKB beta in MCF-7 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IHC,IP,WB

Recommended WB: 1:1000; IHC: 1:50-200; ICC: 1:50-200

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: Q15653

Synonyms: I kappa B beta;NF-kappa-BIB;IkappaB-b;Nfkbib;TR interacting protein 9;IKBB\_HUMAN;IkappaBβ;IKB beta;Thyroid receptor-interacting protein 9;IKBB;NF kappa BIB;TR-interacting protein 9;TRIP-9;IkappaBb;IKBbeta;IKB-B;IkappaB-β;Thyroid receptor interacting protein 9;NF-kappa-B inhibitor beta;I-kappa-B-beta;IKB-beta;TRIP9;IkappaBbeta

### Research Background

On the basis of both functional and structural considerations, members of the IκB family of proteins can be divided into four groups. The first of these groups, IκB-α, includes the avian protein pp40 and the mammalian MAD-3, both of which inhibit binding of p50-p65 NFκB complex or Rel protein to their cognate binding sites but do not inhibit the binding of p50 homodimer to κB sites, suggesting that the IκB-α family binds to the p65 subunit of p50-p65 heterocomplex through ankyrin repeats. The second member of the IκB family is represented by a protein designated IκB-β. The third group of IκB proteins is represented by IκB-ε, which is identical in sequence with the C-terminal domain of the p110 precursor of NFκB p50 and is expressed predominantly in lymphoid cells. An additional IκB family member, IκB-??, has several phosphorylated forms and is primarily found complexed with Rel A and/or c-Rel.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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