

## Product datasheet for **TA319409**

### **IKB beta (NFKBIB) Rabbit Polyclonal Antibody**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Recommended Dilution:</b>	ELISA: 1:5,000 - 1:25,000, WB: 1:500 - 1:3,000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Polyclonal
<b>Immunogen:</b>	IkBb peptide corresponding to a region near the C-terminus of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).
<b>Formulation:</b>	None
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	NFKB inhibitor beta
<b>Database Link:</b>	<a href="#">NP_002494</a> <a href="#">Entrez Gene 18036 MouseEntrez Gene 81525 RatEntrez Gene 4793 Human Q15653</a>
<b>Synonyms:</b>	IKBB; TRIP9
<b>Note:</b>	NFkB was originally identified as a factor that binds to the immunoglobulin kappa light chain enhancer in B cells. It was subsequently found in non-B cells in an inactive cytoplasmic form consisting of NFkB bound to IκB. NFkB was originally identified as a heterodimeric DNA binding protein complex consisting of p65 (RelA) and p50 (NFkB1) subunits. Other identified subunits include p52 (NFkB2), c-Rel, and RelB. The p65, cRel, and RelB subunits are responsible for transactivation. The p50 and p52 subunits possess DNA binding activity but limited ability to transactivate. p52 has been reported to form transcriptionally active heterodimers with the NFkB subunit p65, similar to p50/p65 heterodimers. The heterodimers of p52/p65 and p50/p65 are regulated by physical inactivation in the cytoplasm by IκB-α. IκB-α binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells.
<b>Protein Families:</b>	Stem cell - Pluripotency, Transcription Factors



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**Protein Pathways:**

Adipocytokine signaling pathway, B cell receptor signaling pathway, Chemokine signaling pathway, Cytosolic DNA-sensing pathway, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, RIG-I-like receptor signaling pathway, T cell receptor signaling pathway