

Product datasheet for **AP12624PU-N**

IKK beta (IKKB) pTyr199 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/100-1/500.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y199 of human IKKb.
Specificity:	This antibody detects IKKb pTyr199. Predicted to cross react with Mouse (100% Antigen Homology).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Affinity Chromatography. Then, the antibody fraction is peptide affinity purified in a 2-step procedure with control and phosphorylated peptides. The phospho-specific antibody is eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Database Link:	Entrez Gene 3551 Human O14920



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Background:

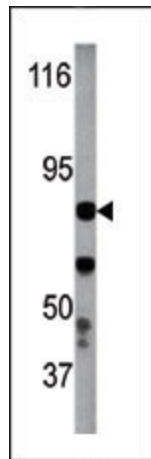
NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the inhibitory I-kappa-B proteins by kinases (IKKa or IKKb) leads to the dissociation of the inhibitor/NF-kappa-B complex and marks the inhibitors for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs.

Synonyms:

I-kappa-B-kinase beta, IKK-beta, IKK-B, I-kappa-B kinase 2, IKK2, NFKBIKB

Note:

Molecular weight: 86564 Da

Product images:

The anti-Phospho-IKKb-Y199 Pab is used in Western blot to detect Phospho-IKKb-Y199 in Y79 tissue lysate