

AP07467PU-N**Polyclonal Antibody to NFKBIA / IKBA - Aff - Purified****Alternate names:**

I kappa B-alpha, I-kappa-B-alpha, Ikb-alpha, IkappaBalpaha, MAD3, Major histocompatibility complex enhancer-binding protein MAD3, NF-kappa-B inhibitor alpha, NFKBI

Quantity:

50 µl

Background:

Three major forms of IKB like molecules have been identified and each is characterised by multiple copies of ankyrin repeats. IKB alpha and IKB beta appear to be the major regulatory forms of IKB in most cells. These proteins interact with p65 or cRel containing forms of NFkB and block nuclear import by masking the nuclear localisation sequences of NFkB. The activation of NFkB involves the inducible phosphorylation and subsequent degradation of IKB. Immunoblotting easily detects the hyperphosphorylated forms of IKB alpha, but not phosphorylated IKB beta. Interestingly, IKB alpha and IKB beta mediate different NFkB responses. Ikb alpha appears to control more transient activation of NFkB in response to an inducer, while IKB beta controls a persistent response. Bcl3 interacts with p50 and p52 containing forms of NFkB, but rather than being an inhibitor it appears to function to stimulate transcription. The degradation of IKB is confirmed by immunoblotting.

Uniprot ID:

[P25963](#)

NCBI:

[NP_065390.1](#)

GeneID:

[4792](#)

Host / Isotype:

Rabbit / IgG

Immunogen:

Synthetic peptide

Format:

State: Liquid purified Ig

Purification: Immunoaffinity Chromatography

Buffer System: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% gelatin

Applications:

Immunohistochemistry on Paraffin Sections: 1/50.

Immunoprecipitation.

Western Blot.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody reacts to a peptide mapping to the carboxy terminus of Ikb-alpha.

Species: Human, Mouse, Rat.

Other species not tested.

Storage:

Store the antibody undiluted at 2-8°C.

DO NOT FREEZE!

Shelf life: one year from despatch.

Pictures:

Liver: Formalin-Fixed Paraffin-Embedded (FFPE)

