

I κ B alpha Polyclonal Antibody

Catalog: BS65736

Host: Rabbit

Reactivity: Human, Mouse, Rat,

Background:

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

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

37 kD

Swiss-Prot:

Q9Z1E3

Purification&Purity:

affinity purified by Protein A

Applications:

WB=1:500-2000, IHC-P=1:100-500, Flow-Cyt=1ug/test

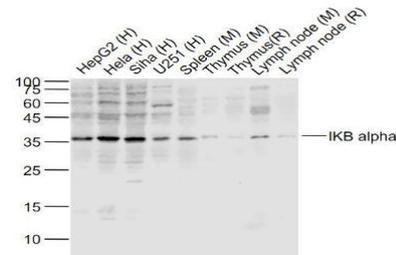
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

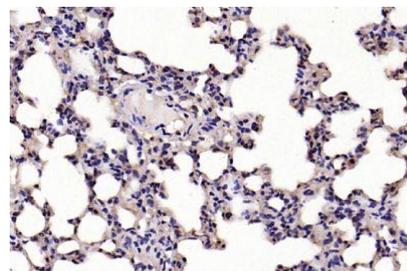
Specificity:

I κ B alpha Polyclonal Antibody detects endogenous levels of I κ B alpha protein.

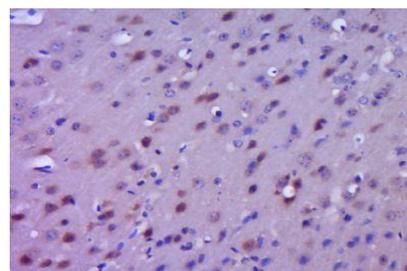
DATA:



Primary: Anti-I κ B alpha at 1/1000 dilution



Paraformaldehyde-fixed, paraffin embedded (mouse lung); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (I κ B alpha) Polyclonal Antibody, Unconjugated at 1:200 overnight at 4 °C



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37 °C for 30min; Antibody incubation with (I κ B alpha) Polyclonal Antibody, Unconjugated at 1:400 overnight at 4 °C

Note:

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PRODUCT DATA SHEET

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For research use only, not for use in diagnostic procedure.

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