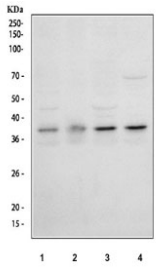
IkBa Antibody / IKB alpha (R31704)

Catalog No.	Formulation	Size
R31704	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
Gene ID	4792
Applications	0.5-1ug/ml
Limitations	This IkBa antibody is available for research use only.



Western blot testing of human 1) HeLa, 2) Raji, 3) PC-3 and 4) Jurkat cell lysate with IkBa antibody. Expected molecular weight: ~36 kDa.

Description

NFKBIA, also called IkBa or MAD-3, is one member of a family of cellular proteins that function to inhibit the NF-kB transcription factor. It inhibits NF-kB by masking the nuclear localization signals (NLS) of NF-kB proteins and keeping them sequestered in an inactive state in the cytoplasm. It moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. The effect of the nonpathogenic bacteria is specific to the SCF complex substrates beta Catenin and IkBa. This may help to explain the beneficial effects of treatment of inflammatory bowel disease with nonpathogenic probiotic enteric organisms. In addition, IkBa blocks the ability of NFkB transcription factors to bind to DNA, which is required for proper NFkB functioning.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IkBa antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 3-112) was used as the immunogen for this IkBa antibody.

Storage

After reconstitution, the IkBa antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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