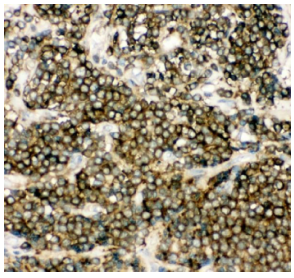
NFKB1 Antibody / NF-kB p105/p50 (R31223)

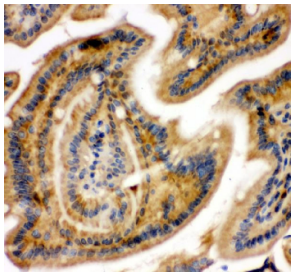
Catalog No.	Formulation	Size
R31223	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

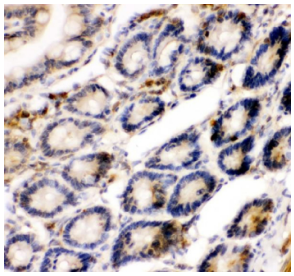
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P25799
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml
Limitations	This NFKB1 antibody is available for research use only.



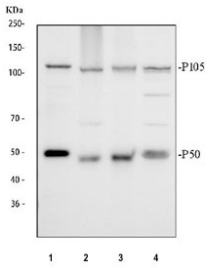
IHC staining of FFPE human lung cancer tissue with NFKB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse intestine tissue with NFKB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat intestine tissue with NFKB1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) ThP-1, 2) Raji, 3) Daudi and 4) MCF7 cell lysate with NFKB1 antibody. Expected molecular weight: 50 kDa / 105 kDa.

Description

NF-kappa-B p105/p50, also called EBP-1 is a protein that in humans is encoded by the NFKB1 gene. By fluorescence in situ hybridization, the gene was assigned to human chromosome 4q24. NF-kappa-B is a pleiotropic transcription factor present in almost all cell types and is the endpoint of a series of signal transduction events that are initiated by a vast array of stimuli related to many biological processes such as inflammation, immunity, differentiation, cell growth, tumorigenesis and apoptosis. NFKB1 appears to have dual functions such as cytoplasmic retention of attached NF-kappa-B proteins by p105 and generation of p50 by a cotranslational processing.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the NFKB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids WQVFDILNGKPYEPVFTSDD were used as the immunogen for this NFKB1 antibody.

Storage

After reconstitution, the NFKB1 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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