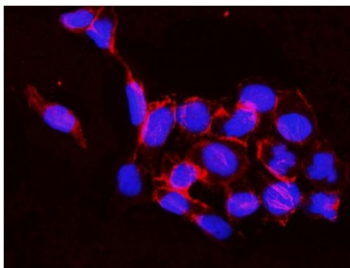


IKKb Antibody (R31634)

Catalog No.	Formulation	Size
R31634	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

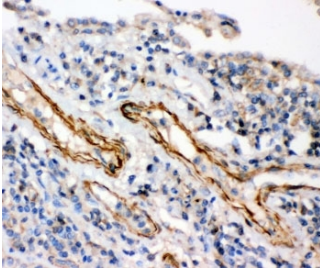
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	3551
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Immunofluorescence (FFPE) : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This IKKb antibody is available for research use only.



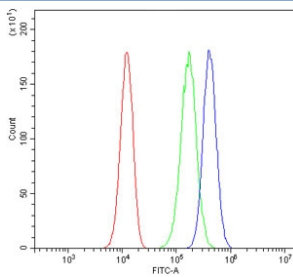
Immunofluorescent staining of FFPE human A431 cells with IKKb antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.

kDa
200 -
116 -
97 -
66 -
44 -
31 -
22 -
14 -
6 -

Western blot testing of IKKb antibody and recombinant human protein (0.5ng).



IHC-P: IKKb antibody testing of human lung cancer tissue



Flow cytometry testing of human 293T cells with IKKb antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= IKKb antibody.

kDa
200 -
116 -
97 -
66 -
44 -
31 -
22 -
14 -
6 -
1 2 3 4

Western blot testing of IKKb antibody and human lysates- Lane 1: HEPG2; 2: COLO320; 3: M231; 4: HT1080 lysate. Expected molecular weight: ~87 kDa.

Description

I kappa B kinase beta, also known as IKKb or NFKB1KB, is a protein that in humans is encoded by the IKBKB gene. [IkbA](#) binds and inhibits NF-kB in the cytoplasm. Activated IKKb phosphorylates IkbA, which frees [NFkB](#) to translocate to the nucleus. It is found that mutations in IKKb had a more pronounced effect upon NFKB activation than did comparable mutations in [IKKa](#).

Application Notes

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

Immunogen

Human partial recombinant protein (AA 398-756) was used as the immunogen for this IKKb antibody.

Storage

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

