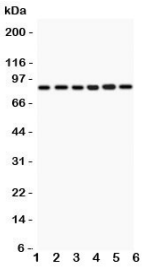
IKKb Antibody (R31146)

Catalog No.	Formulation	Size
R31146	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	O14920
Applications	Western blot: 0.5-1ug/ml
Limitations	This IKKb antibody is available for research use only.



Western blot testing of IKKb antbody and Lane 1: rat heart; 2: (r) skeletal muscle; and human samples 3: PANC; 4: MCF-7; 5: HEPG2; 6: COLO320. Expected/observed size ~87KD

Description

IKBKB (Inhibitor of Kappa Light Chain Gene Enhancer in B Cells, Kinase of, Beta), also known as IKKb, NFKBIKB, and IKK2, is a protein that in humans is encoded by the IKBKB gene. Shindo et al.(1998) mapped the gene to chromosome 8p12-p11 by FISH. Mercurio et al.(1997) found that mutations in IKK2/IKKb had a more pronounced effect upon NFKB activation than did comparable mutations in IKK1/IKKa. Yin et al.(1998) tested the activity of various antiinflammatory agents on the IKK complex. They demonstrated that aspirin and sodium salicylate specifically inhibit IKK beta activity in vitro and in vivo by binding to IKK beta to reduce ATP binding.

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

An amino acid sequence from the C-terminus of human IKK beta (QEMVRLLLQAIQSFEKK) was used as the immunogen for this IKKb antibody (100% mouse homology).

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.

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