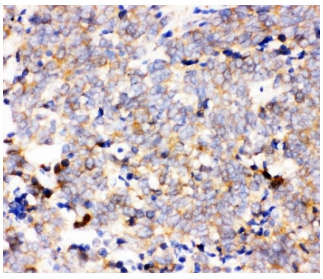
IKK alpha Antibody (R31535)

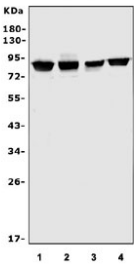
Catalog No.	Formulation	Size
R31535	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	1147
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This IKK alpha antibody is available for research use only.



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



Western blot testing of human 1) placenta, 2) K562, 3) HepG2 and 4) Caco-2 lysate with IKK alpha antibody. Predicted molecular weight: ~85 kDa.

Description

Inhibitor of nuclear factor kappa-B kinase subunit alpha, also known as conserved helix-loop-helix ubiquitous kinase (CHUK) or IKBKA, is a protein kinase that in humans is encoded by the CHUK gene. It is mapped to 10q24.31. This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor. IKK alpha is part of the IkB kinase complex that plays an important role in regulating the NF-kB transcription factor. IKK alpha also has many additional cellular targets, and is thought to function independently of the NF-kB pathway to regulate epidermal differentiation.

Application Notes

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

Immunogen

Human partial recombinant protein (AA 411-745) was used as the immunogen for this IKK alpha antibody.

Storage

After reconstitution, the IKK alpha 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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