

CHUK

Reactivity: Human Mouse

Tested applications: WB IHC ICC IF IP

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:200
IP 1:20 - 1:100

Calculated MW: 85kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human CHUK

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

ps

Synonym:

CHUK; IKK α ; IKK1; IKK β ; NFKB1A; TCF16;

Catalog #: A2062

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1147

Isotype: IgG

Swiss Prot: O15111

Purity: Affinity purification

For research use only.

Background:

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IB proteins (1-3). Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of IB (3-7). The key regulatory step in this pathway involves activation of a high molecular weight IB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK α and IKK β serve as the catalytic subunits of the kinase and IKK γ serves as the regulatory subunit (8,9). Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK (Ser176 and Ser180 in IKK γ), which causes conformational changes, resulting in kinase activation (10-13).

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