CHUK (Ab-23) Antibody

PACO22912

Product Information

Size:

100ul

Reactivity:

Human, Mouse, Rat

Source:

Rabbit

Isotype:

IgG

Applications:

ELISA, WB, IHC

Recommended dilutions:

ELISA:1:2000-1:10000, WB:1:500-1:1000, IHC:1:50-1:200

Protein Background:

Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. As part of the non-canonical pathway of NF-kappa-B activation, the MAP3K14-activated CHUK/IKKA homodimer phosphorylates NFKB2/p100 associated with RelB, inducing its proteolytic processing to NFKB2/p52 and the formation of NF-kappa-B RelB-p52 complexes. Also phosphorylates NCOA3. Phosphorylates 'Ser-10' of histone H3 at NF-kappa-B-regulated promoters during inflammatory responses triggered by cytokines.

Gene ID:

CHUK

Uniprot

O15111

Synonyms:

I kappa-B kinase alpha; I-kappa-B kinase 1; IKK-A; IKK-alpha; IKK1

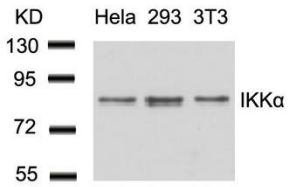
Immunogen:

Peptide sequence around aa.21~25 (L-G-T-G-G) derived from Human IKK a.

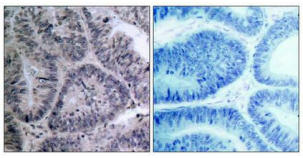
Storage:

Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Product Images



Western blot analysis of extracts from Hela, 293 and 3T3 cells using IKK a(Ab-23) Antibody.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using IKK a(Ab-23) Antibody(left) or the same antibody preincubated with blocking peptide(right).

