

Rabbit anti-Human, Mouse CHUK Polyclonal Antibody | anti-CHUK antibody

CHUK Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA167896	Rabbit	Human, Mouse	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CHUK; Polyclonal Antibody; CHUK Antibody; IKBKA; IKK-alpha; IKK1; IKKA; NFKBIKA; TCF16; anti-CHUK antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	714
Applicable Applications for anti-CHUK antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human CHUK
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7120 / sc-7121 / sc-7182 / sc-7183 / sc-7184 / sc-7218
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of A549 cell using CHUK antibody. Blue: DAPI for nuclear staining.


WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CHUK antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CHUK antibody

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	1589738
NCBI GeneID	1147
Molecular Weight	84,640 Da
NCBI Official Full Name	CHUK, partial
NCBI Official Synonym Full Names	conserved helix-loop-helix ubiquitous kinase
NCBI Official Symbol	CHUK
NCBI Official Synonym Symbols	IKK1; IKKA; IKBKA; TCF16; NFKBIKA; IKK-alpha
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase 1; I-kappa-B kinase-alpha; IKK-a kinase; Ikb kinase alpha subunit; Nuclear factor NFkappaB inhibitor kinase alpha; TCF-16; transcription factor 16
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit alpha
UniProt Gene Name	CHUK
UniProt Synonym Gene Names	IKKA; TCF16; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkbKA; IkappaB kinase; IKK1; NFKBIKA; TCF-16
UniProt Entry Name	IKKA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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