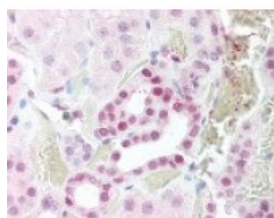




CHUK Antibody

CATALOG NUMBER: 48-692



Immunohistochemistry staining of CHUK
in kidney tissue using CHUK Antibody.

Specifications

SPECIES REACTIVITY:	Human, Mouse, Rat
TESTED APPLICATIONS:	IHC, WB
APPLICATIONS:	CHUK antibody can be used in ELISA starting at 1:10000, Western Blot starting at 1:500 - 1:2000, immunohistochemistry starting at 1:100, and immunofluorescence starting at 1:200 - 1:1000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	pThr23
IMMUNOGEN:	CHUK antibody was raised against amino acids surrounding Thr 23 of CHUK (Human).
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.02% sodium azide, 50% glycerol.
STORAGE CONDITIONS:	CHUK antibody should be stored long term (months) at -80 °C and short term (days) at -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CHUK, I-kappa-B kinase alpha, I-kappa-B kinase-alpha, Ikb kinase alpha, IKK-A, IKBKA, IKK1, NFKB1A, I-kappa-B kinase 1, IkappaB kinase, IKK Alpha, IKK-alpha, IKKA, Transcription factor 16, IkappaBalpha Kinase, Ikb kinase alpha subunit, IKK-a kinase, Ikkalpha, TCF-16, TCF16
ACCESSION NO.:	O15111
PROTEIN GI NO.:	317373368
OFFICIAL SYMBOL:	CHUK
GENE ID:	1147

Background

BACKGROUND: IKKalpha, an I kappa B-type protein kinase, is a member of the multimeric I kappa B kinase complex. This complex, often consisting of IKKalpha/IKKbeta heterodimers plus regulatory IKKgamma subunits, phosphorylates I kappa B proteins, marking them for destruction and thereby allowing activation of NFkappaB and downstream nuclear genes. The constitutively expressed IKKalpha protein contains a N-terminal kinase domain, a central leucine zipper motif, and a C-terminal helix-loop-helix motif. In knockout studies, IKKalpha (-/-) mice died perinatally and displayed a range of developmental defects; thus, IKKalpha is believed to function in development, particularly in development of skin keratinocyte, cornea, and conjunctiva.

FOR RESEARCH USE ONLY

December 13, 2016