

anti-Human, Mouse IKK-alpha/beta Antibody | anti-IKK-alpha/beta antibody

IKK-alpha/beta (Phospho-Ser180/181) Antibody

CATALOG # AAA111664	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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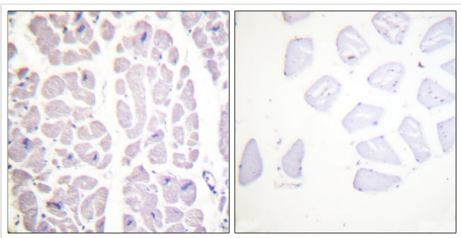
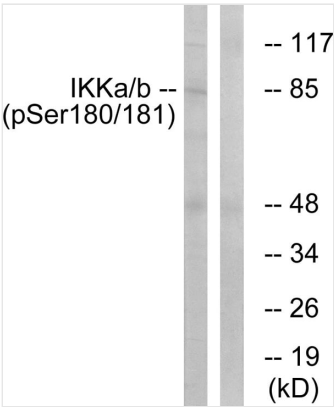
PRODUCT SYNONYMS

IKK-alpha/beta; IKK-alpha/beta (Phospho-Ser180/181) Antibody; CHUK; Conserved helix-loop-helix ubiquitous kinase; I kappa-B kinase alpha; I-kappa-B kinase 1; IKK-A; IKK-alpha; IKK1; IKKA; IkBKA; IkappaB kinase; Inhibitor of nuclear factor kappa-B kinase alpha subunit; NFKBIKA; Nuclear factor NFkappaB inhibitor kinase alpha; kinase IKK-alpha; EC 2.7.11.10; I-kappa-B kinase 2; I-kappa-B-kinase beta; IKK-B; IKK-beta; IKK2; IKKB; IkBKB; NFKBIKB; Nuclear factor NF-kappa-B inhibitor kinase beta; kinase IKK-beta; anti-IKK-alpha/beta antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	IKK-alpha/beta (Phospho-Ser180/181) antibody detects endogenous levels of IKK-alpha/beta only when phosphorylated at serine 180/181.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	745
Applicable Applications for anti-IKK-alpha/beta antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human IKK-alpha/beta around the phosphorylation site of serine 180/181 (C-T-SP-F-V).
All Sites	Human: Ser180 Mouse: Ser180
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human heart tissue using IKK-
alpha/beta (Phospho-Ser180/181) antibody. Western blot analysis of extracts from HepG2
cells, treated with TNF (20ng/ml, 5mins), using IKK-alpha/beta (Phospho-Ser180/181)
antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-IKK- alpha/beta antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Tsuyoshi Shuto, PNAS, Jul 2001; 98: 8774. Bing-Chang Chen, J. Immunol., Oct 2004; 173: 5219-5228. Jennifer Harris, J. Immunol., Aug 2006; 177: 2527-2535.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241001
NCBI GeneID	1147
NCBI Accession #	NP_001269.3
NCBI GenBank Nucleotide #	NM_001278.4
UniProt Accession #	O15111; O14666; Q13132; Q5W0I4; Q92467
Molecular Weight	84,640 Da
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit alpha isoform 1
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
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

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.