

Rabbit IKK-alpha/ beta Polyclonal Antibody | anti-IKK-alpha/ beta antibody

IKK-alpha/ beta (Phospho-Ser176/177) Antibody

CATALOG # AAA308010	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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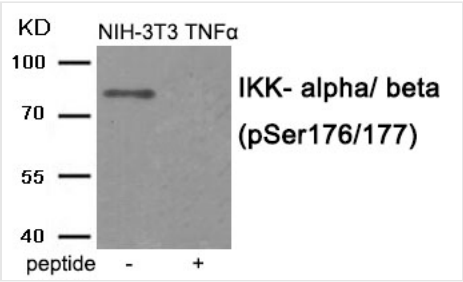
PRODUCT SYNONYMS

IKK-alpha/ beta; Polyclonal Antibody; IKK-alpha/ beta (Phospho-Ser176/177) Antibody; FLJ40509; I-kappa-B kinase; IKBKB; kinase beta; NFKB1KB; anti-IKK-alpha/ beta antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of IKK- alpha/beta only when phosphorylated at serine 176/177.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	745
Applicable Applications for anti-IKK-alpha/ beta antibody	WB (Western Blot)
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 176/177 (Q-G-S(p)-L-C) derived from Human IKK-alpha/beta.
Modification	Phospho-Ser176/177
Target Name	IKK- alpha/ beta
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



WB (Western Blot)
Western blot analysis of extracts from NIH-3T3 cells treated with TNF using IKK- alpha/ beta (Phospho-Ser176/177) antibody. The lane on the right is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-IKK-alpha/ beta antibody	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. Chandrakesan P, et al. (2010)J Biol Chem 285, 33485-98Hinz M, et al. (2010)Mol Cell 40, 63-74 Choudhary S, Lu M, Cui R, Brasier AR (2007)Mol Endocrinol 21, 2203-17
Product Categories/Family for anti-IKK-alpha/ beta antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	62241001
NCBI GeneID	1147
NCBI Accession #	NP_001269.3
NCBI GenBank Nucleotide #	NM_001278.3
UniProt Accession #	O15111; O14666; Q13132; Q5W0I4; Q92467
Molecular Weight	SDS-PAGE MW: 85kDa
NCBI Official Full Name	inhibitor of nuclear factor kappa-B kinase subunit alpha
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
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.