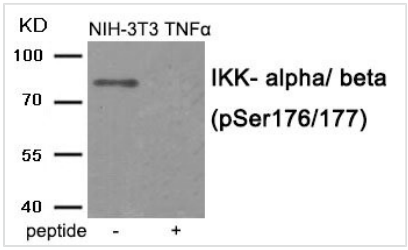
Phospho-CHUK/IKBKB (Ser176/177) Antibody

Product Code	CSB-PA983649
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O15111
Immunogen	Peptide sequence around phosphorylation site of serine 176/177 (Q-G-S(p)-L-C) derived from Human IKK-alpha/beta.
Raised In	Rabbit
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of IKK- alpha/beta only when phosphorylated at serine 176/177.
Tested Applications	ELISA,WB;WB:1:500-1:1000
Relevance	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, 33485-98 Hinz M, et al. (2010Mol Cell 40, 63-74 Choudhary S, Lu M, Cui R, Brasier AR (2007)Mol Endocrinol 21, 2203-17
Form	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	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 chromatogramphy usi
Clonality	Polyclonal
Alias	FLJ40509; I-kappa-B kinase; IKBKB; kinase beta; NFKBIKB
Product Type	Polyclonal Antibody
Immunogen Species	Homo sapiens (Human)
Target Names	CHUK/IKBKB
Image	



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.

Product Modify Phospho-Ser176/177