OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AP55886PU-S

IKK alpha (CHUK) pSer176/177 Rabbit Polyclonal Antibody

Product data:

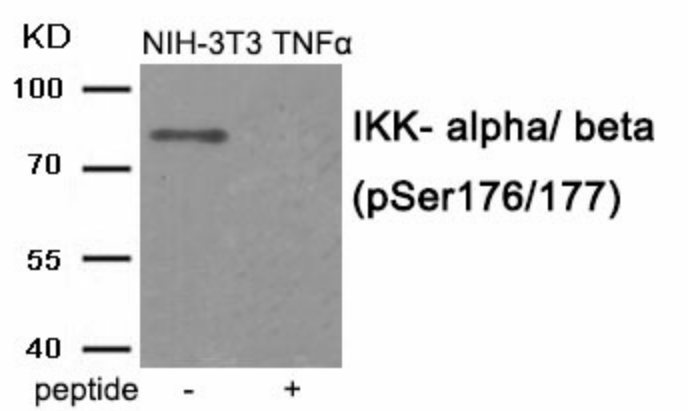
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western blot: 1:500~1:1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine 176/177 (Q-G-S(p)-L-C) derived from Human IKK-alpha/beta (KLH-conjugated)
Specificity:	The antibody detects endogenous level of IKK- alpha/beta only when phosphorylated at serine 176/177.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	85 kDa
Gene Name:	conserved helix-loop-helix ubiquitous kinase
Database Link:	Entrez Gene 1147 Human O15111

View online »

Background: 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.

Synonyms: CHUK, TCF16, I kappa-B kinase alpha, I kappa-B kinase beta, IkBKA, IkBKB, IKK-alpha, IKK-beta, IKK-A, IkappaB kinase, I-kappa-B kinase 1, NFKBIKA, IKK1, IKK2

Product images:



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.