

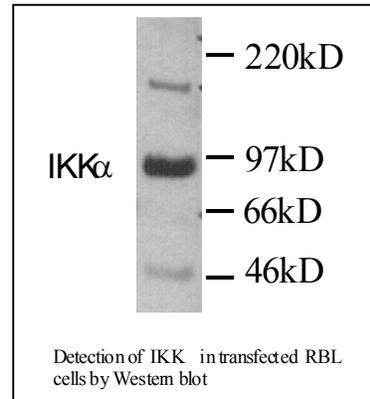
Purified Rabbit Anti-human IKK α

Catalog Number: TP362

Lot Number: 060118

Content: Protein A purified rabbit IgG, 200 μ g ,
With 0.1% sodium azide, lyophilized.

(Reconstitute to 1 mg/ml by adding 200 μ l H₂O)



Product Description and Usage: For research use only. This polyclonal antibody, which reacts with human IKK α , was generated using an *E. coli*-expressed human IKK α fragment (a.a. 557-745) as immunogen. The Ab is suitable for Western blot (1:2,000) and immunoprecipitation (1:500).

Cross-reactivity to IKK α of other species has not been determined.

Storage Condition: 4 C for short term storage or -20 C in small aliquots for long term storage. Avoid repeated freeze and thaw.

Background: IKK α (I κ B kinase- α , or IKK-1) is part of a large protein complex responsible for the inducible phosphorylation of I κ B proteins. The same protein was originally identified as CHUK (conserved helix-loop-helix ubiquitous kinase), a serine/threonine kinase of unknown function. The human IKK α is a 85 kDa peptide that has been

shown to activate NF- κ B by phosphorylation of I κ B proteins. IKK α interacts with its upstream kinase, NIK, and its downstream substrate, the I κ B proteins. Mutations of IKK α in its kinase domain lead to a dominant-negative phenotype that suppresses TNF α and IL-1 β induced NF- κ B activation.

References:

1. DiDonato, J.A. et al., (1997) A cytokine-responsive I κ B kinase that activates the transcription factor NF- κ B. *Nature* 388:548-554
2. Regnier, C.H. et al., (1997) Identification and characterization of an I κ B kinase. *Cell* 90:373-383
3. Mercurio F. et al., (1997) IKK-1 and IKK-2: cytokine-activated I κ B kinases essential for NF- κ B activation. *Science* 278:860-866