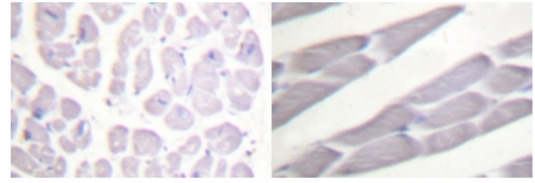


Polyclonal Antibody to I Kappa K alpha/beta (IKKa/IKKb) pSer176/177 - Aff - Purified

Alternate names:	I Kappa K alpha, I kappa B kinase 2, I kappa B kinase beta, IKK2, IKKB, IKKa, IKBKB, IkappaK alpha, Inhibitor of kappa light chain gene enhancer in B cells, Inhibitor of kappa light polypeptide gene enhancer in B cells, Inhibitor of nuclear factor kappa B kinase beta subunit, NFKBIKB, Nuclear factor NF kappa B inhibitor kinase beta, kinase beta
Catalog No.:	AP01748PU-N
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	The transcription factor NFκB is retained in the cytoplasm in an inactive form by the inhibitory protein IκB. Activation of NFκB requires that IκB be phosphorylated on specific serine residues, which results in targeted degradation of IκB. IκB kinase α (IKKα) interacts with IκB-α and specifically phosphorylates IκB-α on the sites that trigger its degradation, Serines 32 and 36. The functional IKK complex contains three subunits, designated IKKα, IKKβ and IKKγ (also designated NEMO); each appears to make essential contributions to IκB phosphorylation. NFκB inducing kinase (NIK) phosphorylates IKKα at Serine 176.
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE). Purification: Affinity Chromatography using epitope-specific immunogen. Buffer System: Phosphate buffered saline (PBS), pH~7.2 containing 0.05% Sodium Azide as preservative.
Applications:	Immunohistochemistry on paraffin sections: 1/50-1/200. Western blot: 1/500-1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~ 85 kDa
Specificity:	This antibody detects endogenous levels of IKK-alpha pSer176/IKK-beta pSer177 protein.
Species Reactivity:	Tested: Human. Expected from sequence similarity: Mouse.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: One year from despatch.

Pictures:

Immunohistochemistry (IHC) analysis of IKK-alpha pSer176/IKK-beta pSer177 antibody (Cat.-No.: AP01748PU-N) in paraffin-embedded human heart skeletal muscle tissue.



Western blot (WB) analysis of P-IKK (pSer176/177) antibody (Cat.-No.: AP01748PU-N) in extracts from 3T3 cells treated with TNF 20ng/ml 30'.

