

Product datasheet for **TA392596**

IKK beta (IKBKB) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 1:2000~1:5000 IF: 1:50~1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to Human IKK β .
Specificity:	IKK β (Y188) polyclonal antibody detects endogenous levels of IKK β protein.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 96 kDa
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta
Database Link:	Entrez Gene 3551 Human O14920
Background:	The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I κ B proteins. Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B. The key regulatory step in this pathway involves activation of a high molecular weight I κ B kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. IKK α and IKK β serve as the catalytic subunits of the kinase and IKK γ serves as the regulatory subunit. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK β (Ser176 and Ser180 in IKK α), which causes conformational changes, resulting in kinase activation.

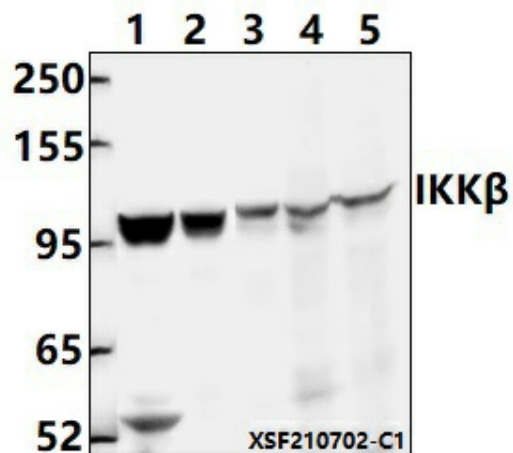


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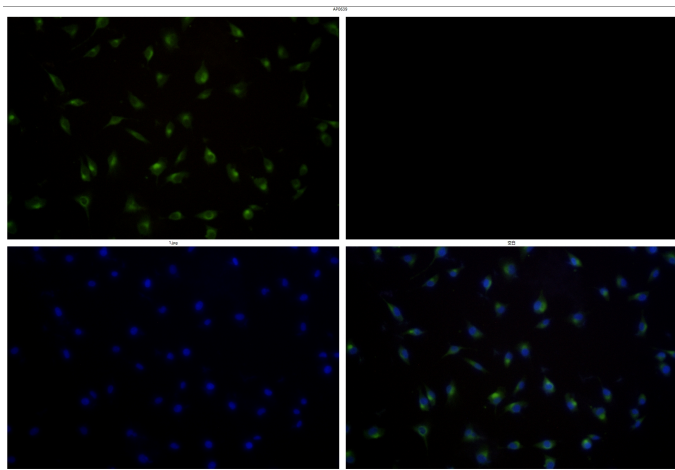
Synonyms: I-kappa-B-kinase beta; I-kappa-B kinase 2; IKBKB; Ikbkb; IKK-B; IKK-beta; IKK2; IKKB; Inhibitor of nuclear factor kappa-B kinase subunit beta; NFKB1KB; Nuclear factor NF-kappa-B inhibitor kinase beta; Serine/threonine protein kinase IKBKB

Note: For research use only, not for use in diagnostic procedure.

Product images:



Western blot (WB) analysis of IKK β (Y188) polyclonal antibody at 1:2000 dilution Lane1:U-87MG whole cell lysate(40ug) Lane2:PC3 whole cell lysate(40ug) Lane3:AML-12 whole cell lysate(40ug) Lane4:C6 whole cell lysate(40ug) Lane5:HCT116 whole cell lysate(40ug)



Immunofluorescence analysis of PC3 cells using IKK β (Y188) antibody at dilution of 1:50.