
Product Name: Phospho-IKK beta (Tyr188) Rabbit Polyclonal Antibody**Catalog #: APRab00838**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse,Rat,Monkey
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 87 kDa; Observed MW: 87 kDa

Antigen Information

Gene Name	IKBKB IKBKB; IKKB; Inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B-kinase beta;
Alternative Names	IKK-B; IKK-beta; IkbKB; I-kappa-B kinase 2; IKK2; Nuclear factor NF-kappa-B inhibitor kinase beta; NFKBIKB
Gene ID	3551
SwissProt ID	O14920
Immunogen	The antiserum was produced against synthesized peptide derived from human IKK-beta around the phosphorylation site of Tyr188. AA range:161-210

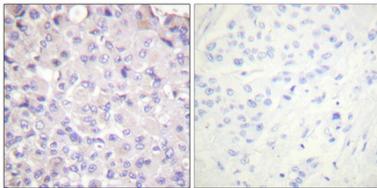
Background

The NF- κ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I κ B proteins (1-3). Most agents that activate NF- κ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I κ B (3-7). 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.

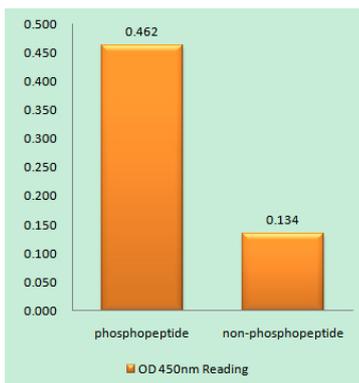
Research Area

Signal Transduction

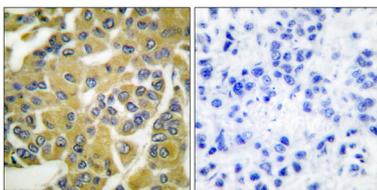
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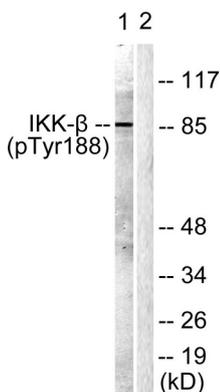
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-IKK beta (Tyr188) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval. Sample with blocking peptide on the right.



EnzymeLinked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phospho-peptide (Phospho-left) and NonPhospho-peptide (Phospho-right), using IKKbeta (Phospho-Tyr18 antibody)



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma using Phospho-IKK beta (Tyr188) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of Phospho-IKK beta (Tyr188) in COS7 lysates using Phospho-IKK beta (Tyr188) antibody. The lane on the right is blocked with the synthesized peptide.

