

**Product Name: IKK beta Rabbit Monoclonal Antibody****Catalog #: AMRe85700**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC
<b>Reactivity</b>	Human, Mouse, Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.63mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in TBS with 0.05% sodium azide, 0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000, ICC 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 87 kDa; Observed MW: 87 kDa

**Antigen Information**

<b>Gene Name</b>	IKK beta IKBKB; IKKB; Inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B-kinase beta;
<b>Alternative Names</b>	IKK-B; IKK-beta; Ikbkb; I-kappa-B kinase 2; IKK2; Nuclear factor NF-kappa-B inhibitor kinase beta; NFKB1KB
<b>Gene ID</b>	3551.0
<b>SwissProt ID</b>	O14920
<b>Immunogen</b>	A synthetic peptide of human IKK beta

**Background**

The NF- $\kappa$ B/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory I $\kappa$ B proteins (1-

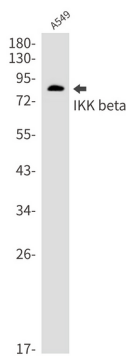
3). Most agents that activate NF- $\kappa$ B do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of I $\kappa$ B (3-7). The key regulatory step in this pathway involves activation of a high molecular weight I $\kappa$ B kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits.

## Research Area

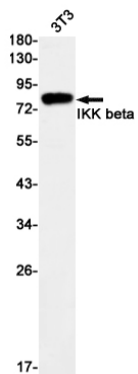
PI3K-Akt signaling pathway,mTOR signaling pathway,MAPK signaling pathway

## Image Data

Western blot analysis of IKK beta in A549 lysates using IKK beta antibody.



Western blot analysis of IKK beta in 3T3 lysates using IKK beta antibody



Immunocytochemistry analysis of IKK beta (green) in U87-MG using IKK beta antibody, and DAPI (blue).

