

## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | IKK beta Rabbit Monoclonal Antibody    |
| <b>Description</b>     | Recombinant Rabbit Monoclonal antibody |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,ICC/IF                              |
| <b>Reactivity</b>      | Human,Mouse,Rat                        |

## Performance

|                     |  |
|---------------------|--|
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG  |
| <b>Clonality</b>    | Monoclonal Antibody  |
| <b>Form</b>         | Liquid   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA    |
| <b>Purification</b> | Affinity Purified  |

## Immunogen

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | IKBKB<br>IKBKB; IKKB; Inhibitor of nuclear factor kappa-B kinase subunit beta; I-kappa-B-kinase                  |
| <b>Alternative Names</b> | beta; IKK-B; IKK-beta; IkbKB; I-kappa-B kinase 2; IKK2; Nuclear factor NF-kappa-B inhibitor kinase beta; NFKBIKB |
| <b>Gene ID</b>           | 3551   |
| <b>SwissProt ID</b>      | O14920   |

## Application

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

**Product Name: IKK beta Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02147**



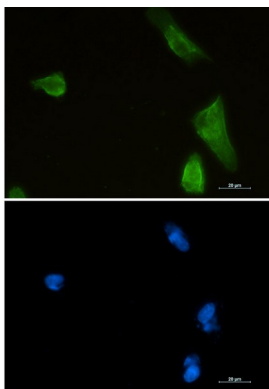
## Background

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.

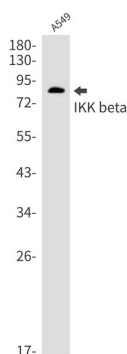
## Research Area

Signal Transduction

## Image Data

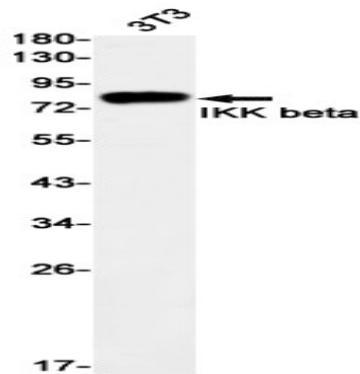


Immunocytochemistry analysis of IKK beta (green) in U87-MG using IKK beta antibody, and DAPI (blue).



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

**Product Name: IKK beta Rabbit Monoclonal Antibody**  
**Catalog #: AMRe02147**



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

**Note**

For research use only.