

# IKK beta Rabbit mAb

Catalog No.: A27876 **Recombinant**

## Basic Information

### Observed MW

97 kDa

### Calculated MW

29-87 kDa

### Category

Primary antibody

### Applications

WB,IP,IF/ICC,ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC69959

## Background

The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene.

## Recommended Dilutions

**WB** 1:10000 - 1:80000

**IP** 0.5µg-4µg antibody for  
200µg-400µg extracts of  
whole cells

**IF/ICC** 1:100 - 1:400

**ELISA** Recommended starting  
concentration is 1 µg/mL.  
Please optimize the  
concentration based on  
your specific assay  
requirements. For high-  
ratio antibody dilutions  
(≥1:10000) a sequential  
dilution method is  
strongly recommended  
to ensure measurement  
accuracy.

## Immunogen Information

### Gene ID

3551

### Swiss Prot

O14920

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

IKK2; IKKB; IKK-2; IMD15; IMD15A; IMD15B; NFKB1KB; IKK-beta

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Contact

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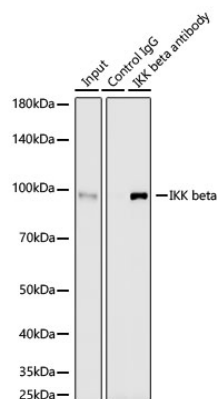
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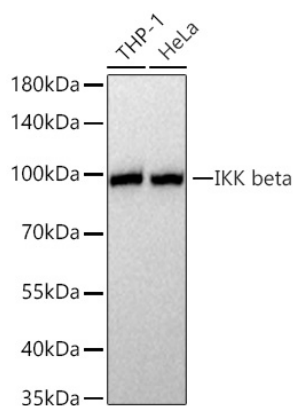
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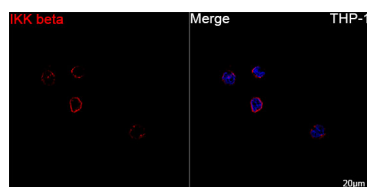
## Validation Data



Immunoprecipitation of IKK beta from 300 µg extracts of HeLa cells was performed using 0.5 µg of IKK beta Rabbit mAb (A27876). Rabbit IgG isotype control (AC0005) was used to precipitate the Control IgG sample. IP samples were eluted with 1× reducing Laemmli Buffer. The Input lane represents 30% of the total input. Western blot analysis of immunoprecipitates was conducted using IKK beta Rabbit mAb (A27876) at a dilution of 1:5000.



Western blot analysis of various lysates using IKK beta Rabbit mAb (A27876) at 1:20000 dilution incubated at room temperature for 1.5 hours.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 5 s.



Confocal imaging of THP-1 cells using IKK beta Rabbit mAb (A27876, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.