

#21305

## IKK- $\beta$ (Ab-199) Antibody

**Catalog:** #21305-1 50 $\mu$ l **Orders:** [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
#21305-2 100 $\mu$ l **Support:** [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)  
**Storage:** Store at -20°C/1 year **Web:** [www.signalwayantibody.com](http://www.signalwayantibody.com)



| Application | Species Reactivity | Source              | Molecular Wt. |
|-------------|--------------------|---------------------|---------------|
| IF          | Human Mouse Rat    | Rabbit Polyconal Ab | 87KD          |

**Description:** Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.

**Specificity:** The antibody detects endogenous level of total IKK- $\beta$  protein.

**Immunogen:** Peptide sequence around aa.197~201 (Q-K-Y-T-V) derived from Human IKK- $\beta$ .

**Formulation:** Supplied at 1.0mg/mL in phosphate buffered saline (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Synonyms:** I-kappa-B kinase 2 I-kappa-B-kinase beta IKK2 IKBKB NFKB1KB

**Accession No.:** Swiss-Prot#: O14920 NCBI Gene#: 3551  
NCBI Protein#: NP\_001547.1

**Background:** Acts as part of the IKK complex in the conventional pathway of NF-kappa-B activation and phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Also phosphorylates NCOA3.

### References:

Chen RA, et al. PLoS Pathog. 2008 Feb 8;4(2):e22  
Yen CJ, et al. Cancer Res. 2008 Apr 15;68(8):2632-40

### Citation:

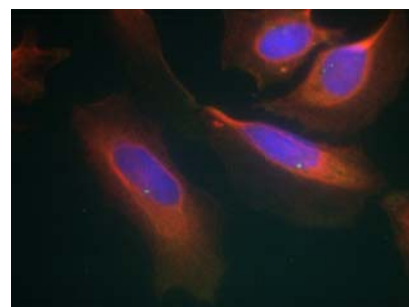
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**Related Pathway:** NF-kappa B, Kinase/Phosphatases

**Note:** For western blotting, incubate membrane with diluted antibody in 5% nonfat milk, 1X TBS, 0.1% Tween-20 at 4°C with gentle shaking, overnight.

### Recommended Dilutions:

Immunofluorescence 1:100~1:200



Immunofluorescence staining of methanol-fixed HeLa cells using IKK- $\beta$  (Ab-199) Antibody #21305.