# Anti-Phospho-IKK beta (Tyr188) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P010108

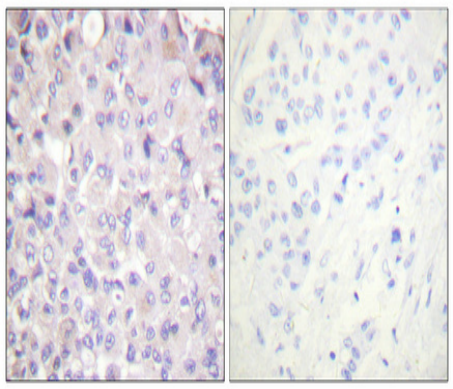
## Product Information

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|---|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA |
| Reactivity | Human, Mouse, Rat, Monkey |
| Dilution | WB 1:500~1:1,000; IHC-P 1:50~1:100; ELISA 1:10,000 |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Label | Unconjugated |
| Immunogen | The antiserum was produced against synthesized peptide derived from human IKK-beta around the phosphorylation site of Tyr188. |
| Format | Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Chromatography |
| Storage | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Phospho-IKK beta (Tyr188) antibody is for research use only and not for use in diagnostic or therapeutic procedures. |

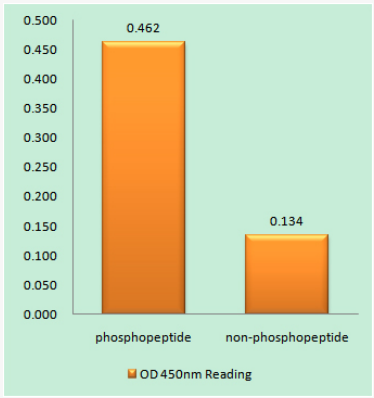
## Protein Information

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|---|---|
| Synonyms | IKBKB, IKKB, Inhibitor of nuclear factor kappa-B kinase subunit beta, I-kappa-B-kinase beta, IKK-B, IKK-beta, IkBKB, I-kappa-B kinase 2, IKK2, Nuclear factor NF-kappa-B inhibitor kinase beta, NFKBIKB. |
| Calculated MW | Calculated MW: 87 kDa; Observed MW: 87 kDa |
| Uniprot ID | O14920 |
| Gene ID | 3551 |
| Background | The NF-κB/Rel transcription factors are present in the cytosol in an inactive state, complexed with the inhibitory IκB proteins (1-3). Most agents that activate NF-κB do so through a common pathway based on phosphorylation-induced, proteasome-mediated degradation of IκB (3-7). The key regulatory step in this pathway involves activation of a high molecular weight IκB kinase (IKK) complex whose catalysis is generally carried out by three tightly associated IKK subunits. |

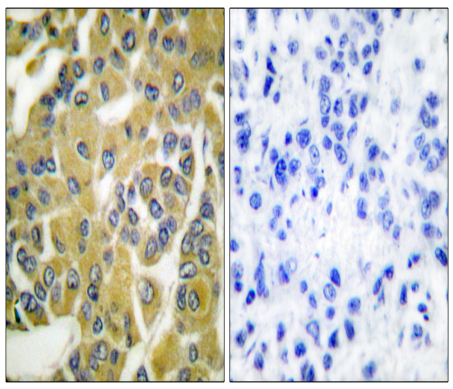
## Validation Images



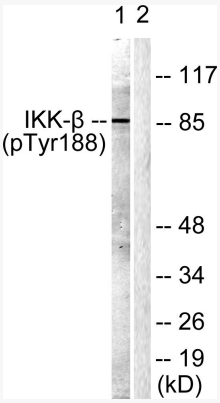
Immunohistochemistry analysis of paraffin-embedded Human breast cancer using Phospho-IKK beta (Tyr188) antibody. High-pressure and temperature Tris-EDTA pH 8.0 was used for antigen retrieval. Sample with blocking peptide on the right.




EnzymeLinked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phospho-peptide (Phospho-left) and NonPhospho-peptide (Phospho-right), using IKKbeta (Phospho-Tyr18antibody



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.