

**Product Name: IKK alpha Rabbit Monoclonal Antibody**  
**Catalog #: AMRe04046**



## Summary

|                        |                                      |
|------------------------|--------------------------------------|
| <b>Production Name</b> | IKK alpha Rabbit Monoclonal Antibody |
| <b>Description</b>     | Rabbit Monoclonal antibody           |
| <b>Host</b>            | Rabbit                               |
| <b>Application</b>     | WB,IP                                |
| <b>Reactivity</b>      | Human                                |

## Performance

|                     |                                                                                                      |
|---------------------|------------------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                                         |
| <b>Modification</b> | Unmodified                                                                                           |
| <b>Isotype</b>      | IgG                                                                                                  |
| <b>Clonality</b>    | Monoclonal                                                                                           |
| <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% protective protein |
| <b>Purification</b> | Affinity Purification                                                                                |

## Immunogen

|                          |                                                                                                                                                                                                                                                 |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | CHUK                                                                                                                                                                                                                                            |
| <b>Alternative Names</b> | CHUK; IKKA; TCF16; Inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase alpha; IKK-A; IKK-alpha; IkbKA; IkappaB kinase; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B |
| <b>Gene ID</b>           | 1147                                                                                                                                                                                                                                            |
| <b>SwissProt ID</b>      | O15111.                                                                                                                                                                                                                                         |

## Application

|                         |                                            |
|-------------------------|--------------------------------------------|
| <b>Dilution Ratio</b>   | WB: 1:500-1:1000 IP: 1:20                  |
| <b>Molecular Weight</b> | Calculated MW: 85 kDa; Observed MW: 85 kDa |

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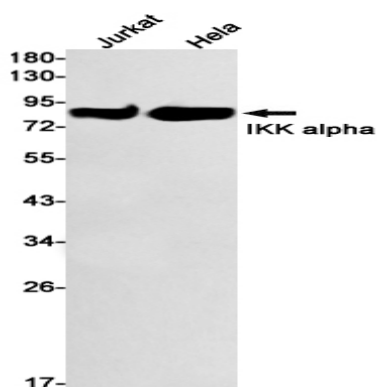
## Background

Plays an essential role in the NF-kappa-B signaling pathway which is activated by multiple stimuli such as inflammatory cytokines, bacterial or viral products, DNA damages or other cellular stresses. Activation of IKK depends upon phosphorylation at Ser177 and Ser181 in the activation loop of IKK $\beta$  (Ser176 and Ser180 in IKK $\alpha$ ), which causes conformational changes, resulting in kinase activation.

## Research Area

Signal Transduction

## Image Data



Western blot analysis of IKK alpha in Jurkat, HeLa lysates using IKK alpha antibody.

## Note

For research use only.