

## IKK Alpha Monoclonal Antibody

### Description

|                                |                                                                                                                                                                                                                                                        |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product type</b>            | Primary Antibody                                                                                                                                                                                                                                       |
| <b>Code</b>                    | BT-MCA0104                                                                                                                                                                                                                                             |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                  |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                    |
| <b>Size</b>                    | 50ul, 100ul                                                                                                                                                                                                                                            |
| <b>Immunogen</b>               | Purified recombinant fragment of human IKK $\alpha$ expressed in E. Coli.                                                                                                                                                                              |
| <b>Mol wt</b>                  | N/A                                                                                                                                                                                                                                                    |
| <b>Species reactivity</b>      | Human                                                                                                                                                                                                                                                  |
| <b>Clonality</b>               | Monoclonal                                                                                                                                                                                                                                             |
| <b>Recommended application</b> | WB, IF, ICC, FCM, ELISA                                                                                                                                                                                                                                |
| <b>Concentration</b>           | 1 mg/ml                                                                                                                                                                                                                                                |
| <b>Full name</b>               | Inhibitor of nuclear factor kappa-B kinase subunit alpha                                                                                                                                                                                               |
| <b>Synonyms</b>                | CHUK; IKKA; TCF16; Inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase alpha; IKK-A; IKK-alpha; Ikbka; Ikbkba; Ikbkba kinase; Conserved helix-loop-helix ubiquitous kinase; I-kappa-B kinase 1; IKK1; Nuclear factor NF-kappa-B |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquitination pathway, thereby activating the transcription factor.

### Recommended Dilution

ELISA: 1:10000

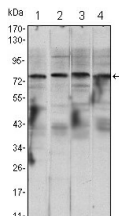
FC: 1:200 - 1:400

IF: 1:200 - 1:1000

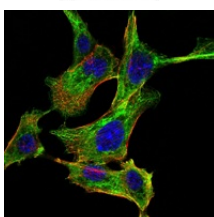
WB: 1:500 - 1:2000

Not yet tested in other applications.

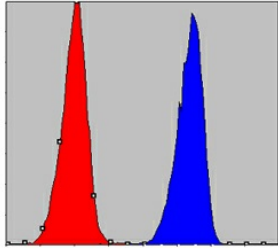
### Images



Western Blot analysis using IKKAlpha Monoclonal antibody against Raji (1) Jurkat (2) THP-1 (3) and K562 (4) cell lysate.



Immunofluorescence analysis of NIH/3T3 cells using IKKAlpha Monoclonal antibody (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of A549 cells using IKKAlpha Monoclonal antibody (blue) and negative control (red).

### Storage

-20°C for one year

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