**bsm-51550M** **[ Primary Antibody ]**

# IKK beta Mouse mAb

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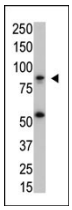
## DATASHEET

**Host:** Mouse
**Isotype:** IgG1
**Clonality:** Monoclonal
**CloneNo.:** K9F5
**GeneID:** 3551
**SWISS:** O14920
**Target:** IKK beta
**Purification:** affinity purified by Protein G
**Concentration:** 1mg/ml
**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
**Background:** IKK beta (I-Kappa-B kinase-beta) is a member of the IKK complex which is composed of IKK alpha, IKK beta, IKK gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquination. IKK beta has been shown to activate NF-kB and phosphorylate IKB alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK beta is essential for activation of IKK by TNF and IL1. Once activated, IKK beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK beta activity can also be regulated by MEKK1.

**Applications:** **WB** (1:500-1000)
**Reactivity:** Human
**Predicted MW.:** 83 kDa
**Subcellular Location:** Cell membrane ,Cytoplasm ,Nucleus

## VALIDATION IMAGES




Sample: Lane 1: SK-BR3 cell lysates Primary: Anti-IKK beta (bsm-51550M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 83 kD Observed band size: 83 kD

## SELECTED CITATIONS

- **[IF=2.2]** Ziheng Zhu. et al. Exploration of the molecular mechanism guiding Xinfeng capsule regulatory mechanism for rheumatoid arthritis inflammation. AM J TRANSL RES. 2024; 16(3): 973–987 WB ;Rat. 38586085