

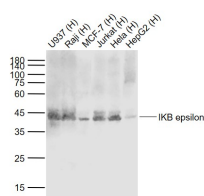
**bsm-54094R****[ Primary Antibody ]****IKB epsilon Recombinant Rabbit mAb****BioSS**  
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**— DATASHEET —****Host:** Rabbit**Isotype:** IgG**Clonality:** Recombinant**CloneNo.:** 7A4**GeneID:** 4794**SWISS:** O00221**Target:** IKB epsilon**Purification:** affinity purified by Protein A**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:** NFKB1 or NFKB2 is bound to REL, RELA, or RELB to form the NFKB complex. The NFKB complex is inhibited by I-kappa-B proteins (NFKBIA, or NFKBIB), which inactivate NF-kappa-B by trapping it in the cytoplasm. Phosphorylation of serine residues on the I-kappa-B proteins by kinases (IKBKA, or IKBKB) marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B complex. Activated NFKB complex translocates into the nucleus and binds DNA at kappa-B-binding motifs such as 5-prime GGGRNNYYCC 3-prime or 5-prime HGGARNYYCC 3-prime (where H is A, C, or T; R is an A or G purine; and Y is a C or T pyrimidine). For some genes, activation requires NFKB interaction with other transcription factors, such as STAT, AP1 (JUN), and NFAT.**Applications:** **WB** (1:500-1000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:400-800)  
**IF** (1:100-500)**Reactivity:** Human**Predicted MW.:** 45 kDa**Subcellular Location:** Cytoplasm**— VALIDATION IMAGES —**

Sample: Lane 1: U937 (Human) Cell Lysate at 30 ug  
 Lane 2: Raji (Human) Cell Lysate at 30 ug  
 Lane 3: MCF-7 (Human) Cell Lysate at 30 ug  
 Lane 4: Jurkat (Human) Cell Lysate at 30 ug  
 Lane 5: HeLa (Human) Cell Lysate at 30 ug  
 Lane 6: HepG2 (Human) Cell Lysate at 30 ug  
 Primary: Anti-IKB epsilon (bsm-54094R) at 1/1000 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 45 kD  
 Observed band size: 43 kD