

bsm-52169R**[Primary Antibody]****BioSS**
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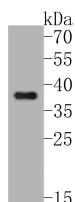
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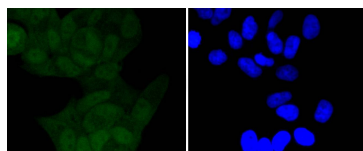
400-901-9800

phospho-IKB alpha (Ser32) Recombinant Rabbit mAb**DATASHEET**

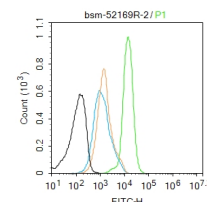
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1000) IHC-P (1:100-500) IHC-F (1:50-200) IF (1:50-200) Flow-Cyt (2ug/Test) ICC/IF (1:50) Reactivity: Human (predicted: Mouse, Rat, Rabbit, Pig, Sheep, Cow) Predicted MW.: 36 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Recombinant	CloneNo.: 13E7	
GeneID: 4792	SWISS: P25963	
Target: phospho-IKB alpha (Ser32)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human IKB alpha around the phosphorylation site of Ser32: D(p-S)GL.		
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: This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease. [provided by RefSeq, Aug 2011]		

VALIDATION IMAGES

Sample: Lane 1: SK-BR-3 cell lysates Primary: Anti-phospho-IKB alpha (Ser32) (bsm-52169R) at 1/500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 36 kD Observed band size: 36 kD



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-IKB alpha(S32)) monoclonal Antibody, Unconjugated (bsm-52169R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: MCF7. Primary Antibody (green line): Rabbit Anti-phospho-IKB alpha (Ser32) antibody (bsm-52169R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 38533773
- **[IF=14.7]** Meng Wang. et al. Targeting toll-like receptor 7 as a therapeutic development strategy for systemic lupus

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- erythematosus. ACTA PHARM SIN B. 2024 Aug;; WB ;Mouse,Human. 10.1016/j.apsb.2024.08.016
- **[IF=7.7]** Yufei Jiang. et al. Gαq-PKD/PKCμ signal regulating the nuclear export of HDAC5 to induce the IκB expression and limit the NF-κB-mediated inflammatory response essential for early pregnancy. ELIFE. 2023 Jul WB ;Human. 37498654
 - **[IF=6.7]** Huaqiang Zhang. et al. Artemisia argyi polyphenols Attenuates DSS-induced colitis in mice by regulating the structural composition of gut microbiota. PHYTOMEDICINE. 2024 Sep;132:155897 WB ;Mouse. 39032279
 - **[IF=6.7]** Meng Liu. et al. p-Hydroxy benzaldehyde, a Phenolic Compound from Nostoc commune, Ameliorates DSS-Induced Colitis Against Oxidative Stress via the Nrf2/HO-1/NQO-1/NF-κB/AP-1 Pathway. PHYTOMEDICINE. 2024 Aug;;155941 WB ;Mouse. 39128305