bsm-52169R

[Primary Antibody]

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

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DATASHEET -

Host: Rabbit Isotype: IgG Clonality: Recombinant CloneNo.: 13E7 GeneID: 4792 **SWISS:** P25963

Target: 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]

Applications: WB (1:500-1000)

ICC/IF (1:100-500)

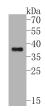
Reactivity: Human (predicted: Mouse)

Predicted 36 kDa

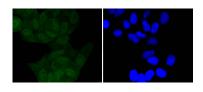
MW.:

Subcellular Cytoplasm ,Nucleus

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.

— 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 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] Huagiang 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