

bsm-33441M**[Primary Antibody]****BioSS**
ANTIBODIES

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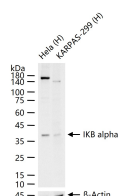
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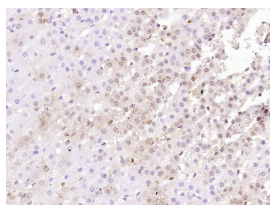
400-901-9800

IKB alpha Mouse mAb**— DATASHEET —**

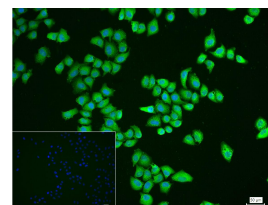
Host: Mouse	Isotype: IgG1	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:50-1:200) Reactivity: Human, Rat Predicted MW.: 36 kDa Subcellular Location: Cytoplasm ,Nucleus
Clonality: Monoclonal	CloneNo.: 2A5	
GeneID: 4792	SWISS: P25963	
Target: IKB alpha		
Immunogen: Recombinant human IKB alpha Protein: 1-77/314.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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 —

25 ug total protein per lane of various lysates (see on figure) probed with IKB alpha monoclonal antibody, unconjugated (bsm-33441M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded (Rat adrenal gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (IKB alpha) Monoclonal Antibody, Unconjugated (bsm-33441M) at 1:800 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (IKB alpha) monoclonal Antibody, unconjugated (bsm-33441M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-40296G-FITC) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.

— SELECTED CITATIONS —

- **[IF=4.5]** Gan Rao. et al. Arsenic and polystyrene-nano plastics co-exposure induced testicular toxicity: Triggers oxidative stress and promotes apoptosis and inflammation in mice. ENVIRON TOXICOL. 2023 Sep; WB ;Mouse. 37705229
- **[IF=2.447]** Mingdong Si. et al. *Gentianella acuta* mitigates cardiovascular damage and inflammation in diet-induced hypercholesterolaemic rats. Exp Ther Med. 2021 Nov;22(5):1-10 WB,IHC ;rat. 34603527