

bs-13644R**[Primary Antibody]****IKAP Rabbit pAb****BioSS**
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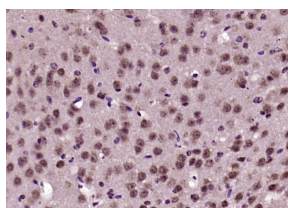
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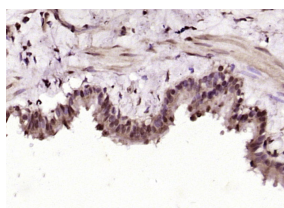
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 8518	SWISS: O95163	
Target: IKAP		Reactivity: Mouse, Rat (predicted: Human, Rabbit)
Immunogen: KLH conjugated synthetic peptide derived from human IKAP: 1151-1250/1332.		
Purification: affinity purified by Protein A		Predicted MW.: 150 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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: The transcription factor NFkB is retained in the cytoplasm in an inactive form by the inhibitory protein Ikb. Activation of NFkB requires that Ikb be phosphorylated on specific serine residues, which results in the targeted degradation of Ikb (1). Ikb kinase alpha (IKK alpha), previously designated CHUK (2), interacts with Ikb-alpha and specifically phosphorylates Ikb-alpha on the sites that trigger its degradation, serines 32 and 36 (3). IKKalpha appears to be critical for NFkB activation in response to proinflammatory cytokines (4). Phosphorylation of the Ikb by IKK alpha is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1 (5). The functional IKK complex contains three subunits, IKK alpha, IKK beta and IKK gamma (also designated NEMO), and each appears to make essential contributions to Ikb phosphorylation (6). IKAP (IKK-complex-associated protein) is a protein that acts as a scaffold, interacting with NIK, IKK alpha and IKK beta and assembling them into an active kinase complex (7,8)		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse brain); 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 (IKAP) Polyclonal Antibody, Unconjugated (bs-13644R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat lung); 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 (IKAP) Polyclonal Antibody, Unconjugated (bs-13644R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.