

bs-5442R**[Primary Antibody]****phospho-IKK beta (Ser476) Rabbit pAb****Bioss**
ANTIBODIES

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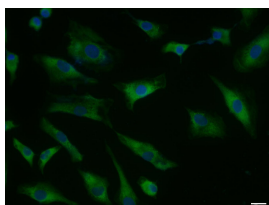
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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: ICC/IF (1:100)
Clonality: Polyclonal		Reactivity: Human (predicted: Rabbit, Pig, Cow, Dog)
GeneID: 3551	SWISS: Q14920	
Target: IKK beta (Ser476)		Predicted MW.: 87 kDa
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human IKK beta around the phosphorylation site of Ser476: SM(p-S)QQ.		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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: IKK beta (I-Kappa-B kinase-beta) is a member of the IKK complex which is composed of IKK alpha, IKK beta, IKK gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquitination. IKK beta has been shown to activate NF-kB and phosphorylate IKB alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK beta is essential for activation of IKK by TNF and IL1. Once activated, IKK beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK beta activity can also be regulated by MEKK1.		

— VALIDATION IMAGES —

A549 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-IKK beta (Ser476)) polyclonal Antibody, Unconjugated (bs-5442R) 1:100, 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.