

bs-5444R**[Primary Antibody]****phospho-ILK-1 (Ser246) Rabbit pAb****Bioss**
ANTIBODIES

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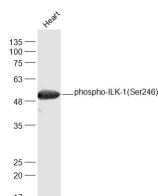
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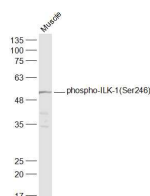
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— DATASHEET —

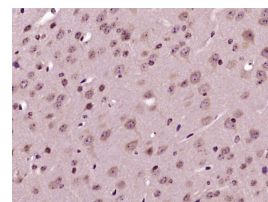
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse) Predicted MW.: 50 kDa Subcellular Location: Cell membrane ,Cytoplasm
Clonality: Polyclonal		
GeneID: 3611	SWISS: Q13418	
Target: phospho-ILK-1 (Ser246)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human ILK-1 around the phosphorylation site of Ser246: IF(p-S)HP.		
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: The ILK protein is important in different biological pathways such as cell adhesion, anchorage-dependent cell cycle progression, oncogenic transformation, and growth factor signaling. The kinase activity of ILK is low in non-activated cells; its activity is stimulated by cell-ECM interactions and by certain growth factors. 3 Negative regulation of ILK is mediated by two phosphatases: PTEN, a tumor suppressor lipid sphatase, and ILKAP, a PP2C protein phosphatase. In tumor cells that do not express PTEN protein, ILK is constitutively active.		

— VALIDATION IMAGES —

Sample: Heart (Mouse) Lysate at 40 ug Primary: Anti-phospho-ILK-1(Ser246) (bs-5444R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-phospho-ILK-1(Ser246) (bs-5444R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kD Observed band size: 50 kD



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 (phospho-ILK-1(Ser246)) Polyclonal Antibody, Unconjugated (bs-5444R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=7]** Liu Rongrong. et al. Inhibition of the ILK-AKT pathway by upregulation of PARVB contributes to the cochlear cell death in Fascin2 gene knockout mice. CELL DEATH DISCOV. 2024 Feb;10(1):1-12 WB ;Mouse. 38374196