



For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

<b>Product name</b>	Anti-P-IK $\beta$ (Ser32/Ser36) Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	Western blot	1:500
	Immunohistochemistry	1:200

*\*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.*

<b>Molecular Wt.</b>	32 kDa
<b>Pack size</b>	50/100/200/500/1000 $\mu$ l
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

**Background**  
 The NF- $\kappa$ B/Rel transcription factors are present in the cytosol in an inactive state complexed with the inhibitory IKB proteins. Activation occurs via phosphorylation of IKB- $\alpha$  at Ser32 and Ser36 followed by proteasome-mediated degradation that results in the release and nuclear translocation of active NF- $\kappa$ B. IKB $\alpha$  phosphorylation and resulting Rel-dependent transcription are activated by a highly diverse group of extracellular signals including inflammatory cytokines, growth factors, and chemokines. Kinases that phosphorylate IKB at these activating sites have been identified.

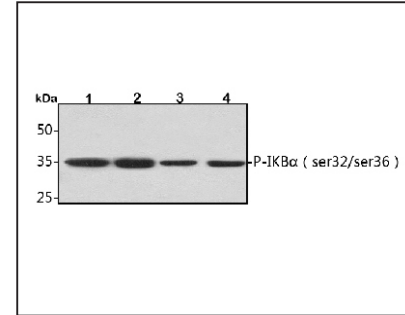
**Immunogen**  
 Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-IK $\beta$  (Ser32/Ser36).

**Purification**  
 Polyclonal antibody was purified by immunogen affinity chromatography.



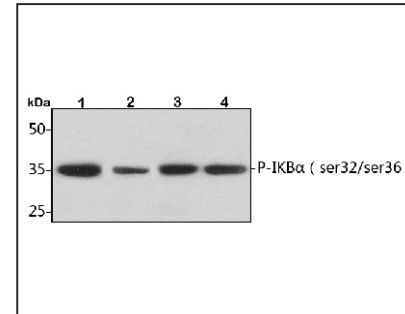
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Product Images



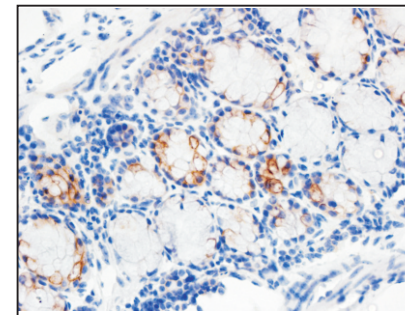
**Western blot-Anti-P-IK $\beta$  (Ser32/Ser36) pAb**

**Lane 1:** Human HepG2 cell lysate 30 $\mu$ g  
**Lane 2:** Human HeLa cell lysate 30 $\mu$ g  
**Lane 3:** Human BGC-823 cell lysate 30 $\mu$ g  
**Lane 4:** Human MGC-803 cell lysate 30 $\mu$ g  
**Separation gel:** 13% polyacrylamide  
**Electrophoresis:** 100V, 4°C, 3h  
**Transmembrane:** 100V, 4°C, 1h  
**Blocking:** 5% w/v nonfat dry milk, 1 $\times$ TBST, at RT with gentle shaking  
**Primary antibody:** 1:500 in blocking buffer, 4°C, overnight  
**Secondary antibody ( WLA023a ) :** 1:5000-1:10000, 45min  
**Visualization:** ECL, 30s-2min



**Western blot-Anti-P-IK $\beta$  (Ser32/Ser36) pAb**

**Lane 1:** Mouse heart tissue lysate 30 $\mu$ g  
**Lane 2:** Mouse kidney tissue lysate 30 $\mu$ g  
**Lane 3:** Rat lung tissue lysate 30 $\mu$ g  
**Lane 4:** Rat brain tissue lysate 30 $\mu$ g  
**Separation gel:** 13% polyacrylamide  
**Electrophoresis:** 100V, 4°C, 3h  
**Transmembrane:** 100V, 4°C, 1h  
**Blocking:** 5% w/v nonfat dry milk, 1 $\times$ TBST, at RT with gentle shaking  
**Primary antibody:** 1:500 in blocking buffer, 4°C, overnight  
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**Visualization:** ECL, 30s-2min



**Immunohistochemistry-Anti-P-IK $\beta$  (Ser32/Ser36) pAb**

**Sample:** Mouse colon tissue  
**Antigen retrieval:** pH 9.0 Tris-EDTA buffer  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-Biotin:** 1:150, 37°C, 1h  
**Streptavidin-HRP:** 1:200, 37°C, 30min  
**Color Developing:** DAB

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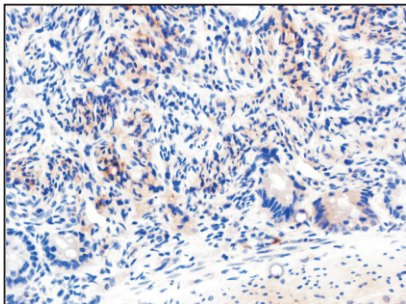
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