

Anti-P-IK $\beta$  (ser32/ser36) Rabbit pAb

WLH3930

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>	WB	1:1000-1:2000	
	IHC, IF	1:100-1:400	
<b>Molecular Wt.</b>	36 kDa		
<b>Cellular localization</b>	Cytoplasm. Nucleus.		
<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**

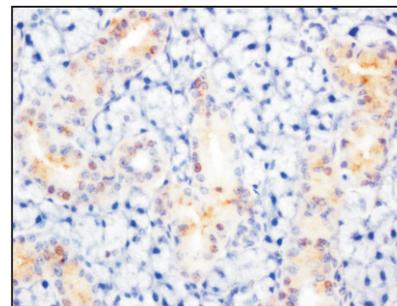
Polyclonal antibody was purified by Protein A affinity chromatography.

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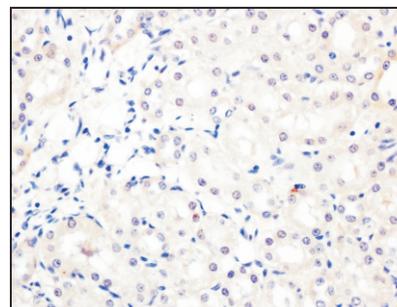
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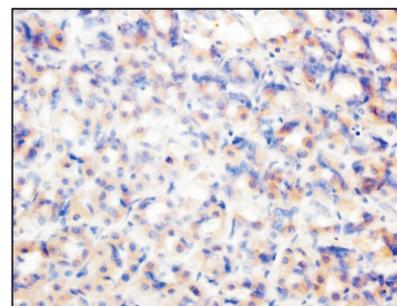
## Product Images

Immunohistochemistry-Anti-P-IK $\beta$  (ser32/ser36) pAb

**Sample:** Rat submaxillary glands 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

Immunohistochemistry-Anti-P-IK $\beta$  (ser32/ser36) pAb

**Sample:** Rat kidney 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

Immunohistochemistry-Anti-P-IK $\beta$  (ser32/ser36) pAb

**Sample:** Rat stomach 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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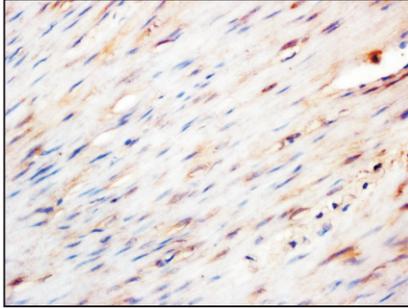
  
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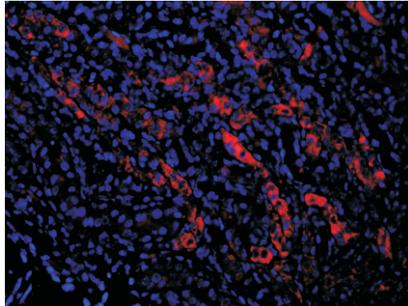
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### Product Information



#### Immunohistochemistry-Anti-P-IK $\beta$ (ser32/ser36) pAb

**Sample:** Rat heart 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



#### Immunofluorescence-Anti-P-IK $\beta$ (ser32/ser36) pAb

**Sample:** Mouse kidney tissue  
**Primary antibody:** 1:200, 4°C, overnight  
**Secondary antibody-CY3:** 1:200, at room temperature, 1h