

## Anti-P-JAK2(Tyr1007/1008) Rabbit pAb



WLH3592

For Research Use Only. Not For Use In Diagnostic Procedures

### Product Information

<b>Product name</b>	Anti-P-JAK2(Tyr1007/1008) Rabbit pAb		
<b>Source</b>	Rabbit		
<b>Species reactivity</b>	Human, Mouse, Rat		
<b>Tested applications</b>	Immunohistochemistry	1:100-1:400	
	Immunofluorescence	1:100-1:400	

*\*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>Pack size</b>	50/100/200/500/1000μl
<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 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

### General Information

**Background**

Members of the Janus family of tyrosine kinases (JAK1, JAK2, JAK3, and Tyk2) are activated by ligands binding to a number of associated cytokine receptors. Upon cytokine receptor activation, JAK proteins become autophosphorylated and phosphorylate their associated receptors to provide multiple binding sites for signaling proteins. JAK2 is autophosphorylated at Tyr1007/1008 in the putative activation loop during cytokine signaling. Tyr221 and 570 have also been shown to be prominent sites for autophosphorylation. In addition, Tyr813 was identified as a site for autophosphorylation critical for the activation of JAK2 by the SH2 domain-containing protein SH2-B β.

**Immunogen**

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-JAK2(Tyr1007/1008).

**Purification**

Polyclonal antibody was purified by immunogen affinity chromatography.

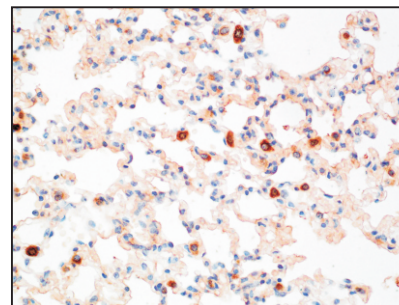
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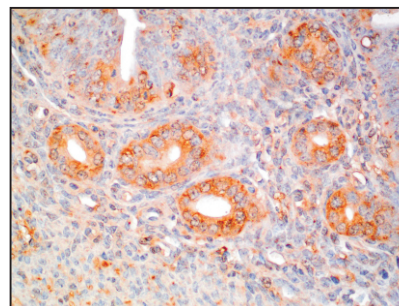
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### Product Images



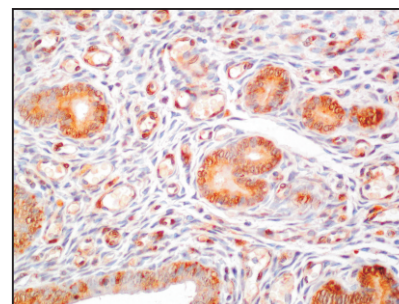
#### Immunohistochemistry-Anti-P-JAK2(Tyr1007/1008) pAb

**Sample:** Mouse lung 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  
**Visualization:** DAB



#### Immunohistochemistry-Anti-P-JAK2(Tyr1007/1008) pAb

**Sample:** Mouse uterus 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  
**Visualization:** DAB



#### Immunohistochemistry-Anti-P-JAK2(Tyr1007/1008) pAb

**Sample:** Rat ovary 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  
**Visualization:** DAB

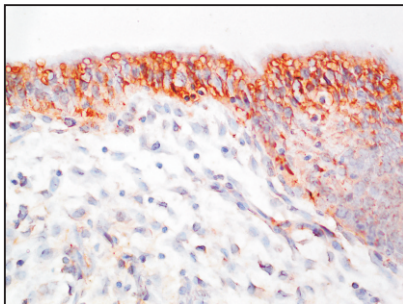
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#### Immunohistochemistry-Anti-P-JAK2(Tyr1007/1008) pAb

**Sample:** Rat uterus tissue

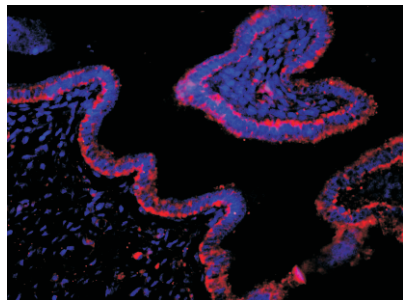
**Antigen retrieval:** pH 9.0 Tris-EDTA buffer

**Primary antibody:** 1:200, 4°C, overnight

**Secondary antibody-Biotin:** 1:150, 37°C, 1h

**Streptavidin-HRP:** 1:200, 37°C, 30min

**Visualization:** DAB



#### Immunofluorescence-Anti-P-JAK2(Tyr1007/1008) pAb

**Sample:** Rat ovary tissue

**Primary antibody:** 1:200, 4°C, overnight

**Secondary antibody-CY3:** 1:200, at room temperature, 1h