



For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-P-JAK2(Tyr1007/1008) Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	Western blot	1:500

**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.*

Molecular Wt. 128 kDa

Pack size 50/100/200/500/1000µl

Storage Store at -20°C. **Avoid freeze/thaw cycles.**

Storage buffer 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.

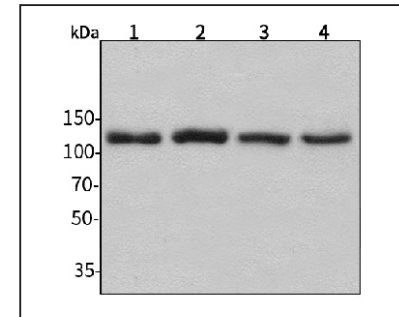
Immunogen Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-JAK2(Tyr1007/1008).

Purification Polyclonal antibody was purified by immunogen affinity chromatography.



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Product Images



Western blot-Anti-P-JAK2(Tyr1007/1008) pAb

Lane 1: Human HepG2 cell lysate 30µg

Lane 2: Human Hela cell lysate 30µg

Lane 3: Human BGC-823 cell lysate 30µg

Lane 4: Human MGC-803 cell lysate 30µg

Separation gel: 8% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

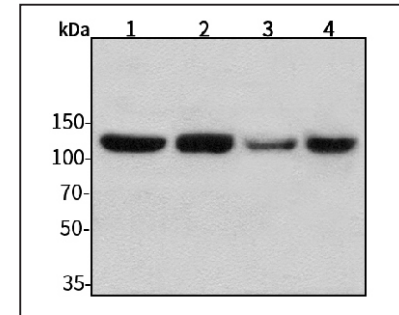
Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1× TBST, at RT with gentle shaking

Primary antibody: 1:500 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:7000-1:8000, 45min

Detection: ECL, 30s-2min



Western blot-Anti-P-JAK2(Tyr1007/1008) pAb

Lane 1: Mouse kidney tissue lysate 30µg

Lane 2: Mouse liver tissue lysate 30µg

Lane 3: Rat lung tissue lysate 30µg

Lane 4: Rat spleen tissue lysate 30µg

Separation gel: 8% polyacrylamide

Electrophoresis: 100V, 4°C, 3h

Transmembrane: 100V, 4°C, 1h

Blocking: 5% w/v nonfat dry milk, 1× TBST, at RT with gentle shaking

Primary antibody: 1:500 in blocking buffer, 4°C, overnight

Secondary antibody (WLA023a) : 1:7000-1:8000, 45min

Detection: ECL, 30s-2min