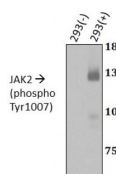
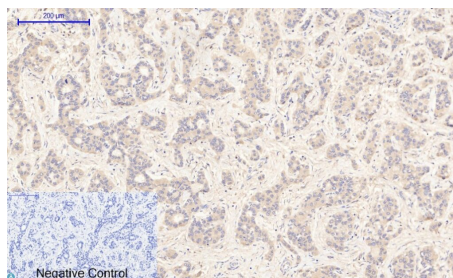


Cat. No:	ABP-0373
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Synthesized peptide derived from human JAK2 around the phosphorylation site of Y1007.
Reactivity:	Hu, Ms, Rt
Applications:	Western Blot: 1:500-1:2000 Immunohistochemistry: 1:100-1:300 ELISA: 1:20000
Molecular Weight:	130 kDa
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity chromatography using epitope-specific immunogen.
Background:	JAK2 is a protein encoded by the JAK2 gene which is approximately 130,6 kDa. JAK2 is localised to the endomembrane system. It is involved in RET signalling, prolactin signalling pathway, the IL-2 pathway and Th17 cell differentiation. It is a non-receptor tyrosine kinase involved in various processes such as cell growth, development, differentiation and histone modifications. It mediates essential signalling events in both innate and adaptive immunity. JAK2 is ubiquitously expressed throughout most tissues in the body. Mutations in the JAK2 gene may result in Budd-Chiari syndrome and polycythemia vera. ABP-0373 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This primary antibody specifically binds to endogenous JAK2 protein which only binds about Y1007 when Y1007 is phosphorylated. Phospho-JAK2 (Y1007) Polyclonal Antibody detects endogenous levels of JAK2 protein only when phosphorylated at Y1007.
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage:	Store at -20°C, and avoid repeat freeze-thaw cycles.

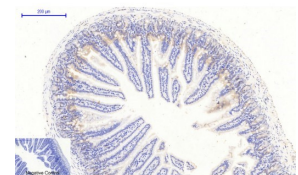


Western Blot (WB) analysis of 1. untreated 293 2. 293 treated with pervanadate using JAK2 (phospho Tyr1007) Polyclonal Antibody. (ST190315)

Western blot (WB) analysis of JAK2 (phospho Tyr1007) polyclonal antibody.



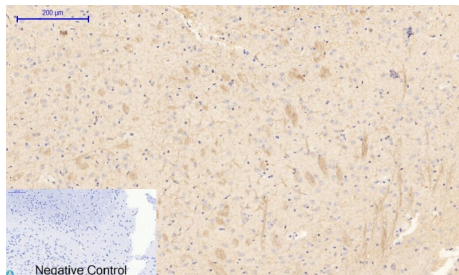
Immunohistochemical analysis of human liver cancer tissue. Anti-Phospho-JAK2 (Y1007) at 1:200 (4°C, overnight). Antigen retrieval - Sodium Citrate pH6 (>98°C, 20min). Secondary - 1:200 (room temp, 30min). Negative control -



Immunohistochemical analysis of mouse colon tissue. ABP-0373 was diluted at 1:200 (4°C, overnight). Sodium citrate pH6.0 was used for antibody retrieval (>98°C, 20min). Secondary antibody

Secondary only

was diluted at 1:200 (room temperature,
30min). Negative control plate was
secondary antibody only.



Immunohistochemical analysis of rat brain tissue. ABP-0373 was diluted at 1:200 (4°C, overnight). Sodium citrate pH6.0 was used for antibody retrieval (>98°C, 20min). Secondary antibody was diluted at 1:200 (room temperature, 30min). Negative control plate was secondary antibody only.

**For Research use only
IMMUNOLOGICAL SCIENCES**