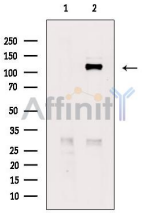
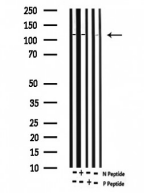
Phospho-JAK2 (Tyr1007) Antibody

Cat.#: AF3022	Concn.: 1mg/ml	Mol.Wt.: 120 kDa
Size: 100ul,200ul	Source: Rabbit	Clonality: Polyclonal

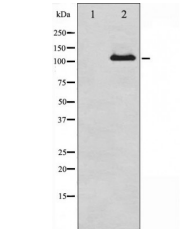
Application:	WB 1:1000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Reactivity:	Human,Mouse,Rat
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Specificity:	Phospho-JAK2 (Tyr1007) Antibody detects endogenous levels of JAK2 only when phosphorylated at Tyrosine 1007.
Immunogen:	A synthesized peptide derived from human JAK2 around the phosphorylation site of Tyr1007.
Uniprot:	O60674
Description:	This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constituitively associated with the prolactin receptor and is required for responses to gamma interferon.
Storage Condition and Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt.



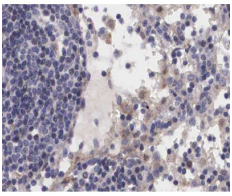
Western blot analysis of extracts from heat-shock treated EC304 cells, using Phospho-JAK2 (Tyr1007) Antibody. The lane on the left was treated with blocking peptide.



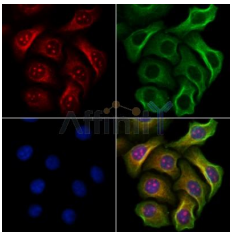
Western blot analysis of extracts from mouse lung/rat kidney, using Phospho-JAK2 (Tyr1007) Antibody.
-/+ means absence or presence of N peptide(non-phospho peptide) and P peptide(phospho peptide)



Western blot analysis of JAK2 phosphorylation expression in whole cell lysates,The lane on the left was treated with the antigen-specific peptide.



AF3022 at 1/200 staining human Lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary antibody.



AF3022 staining H2O2 treated Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AF3022) and mouse anti-beta tubulin Ab(T0023) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.