

## JAK3 (Phospho-Tyr904) Ab

Cat.#: AF8159  
 Size: 50ul,100ul,200ul

Concn.: 1mg/ml  
 Source: Rabbit

Mol.Wt.: 125kDa  
 Clonality: Polyclonal

**Application:** WB 1:1000-3000, IHC 1:50-1:200, IF/ICC 1:100-1:500

**Reactivity:** Human,Mouse,Rat

**Purification:** The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

**Specificity:** JAK3 (Phospho-Tyr904) Ab detects endogenous levels of JAK3 only when phosphorylated at Tyr904

**Immunogen:** A synthesized peptide derived from human JAK3 (Phospho-Tyr904)

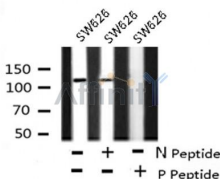
**Uniprot:** P52333

**Subcellular Location:** Endomembrane system. Wholly intracellular, possibly membrane associated.

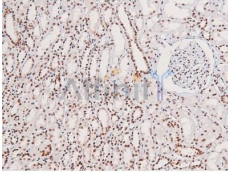
**Tissue Specificity:** In NK cells and an NK-like cell line but not in resting T-cells or in other tissues. The S-form is more commonly seen in hematopoietic lines, whereas the B-form is detected in cells both of hematopoietic and epithelial origins.

**Similarity:** Possesses two phosphotransferase domains. The second one probably contains the catalytic domain (By similarity), while the presence of slight differences suggest a different role for domain 1.Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.

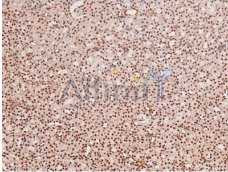
**Storage Condition and Buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt



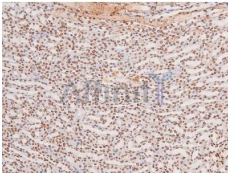
Western blot analysis JAK3 (Phospho-Tyr904) using SW626 whole cell lysates



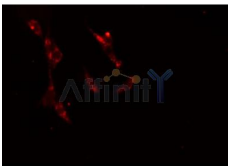
AF8159 at 1/200 staining Human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF8159 at 1/200 staining Mouse kidney 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF8159 at 1/200 staining Rat kidney 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 Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF8159 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab(Cat.# S0006), diluted at 1/600, was used as secondary Ab.

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

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