

**Product Name: JAK2 (6B4) Mouse Monoclonal Antibody**  
**Catalog #: AMM00767**



## Summary

<b>Production Name</b>	JAK2 (6B4) Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC-P
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	JAK2
<b>Alternative Names</b>	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
<b>Gene ID</b>	3717
<b>SwissProt ID</b>	O60674.

## Application

<b>Dilution Ratio</b>	IHC: 1:50-1:100
<b>Molecular Weight</b>	-

## Background

Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription.

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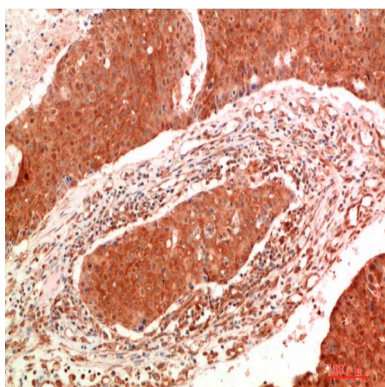


For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and its association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5A or STAT5B) is recruited, phosphorylated and activated by JAK2.

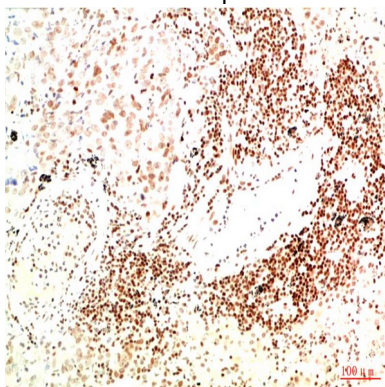
## Research Area

Cell Biology

## Image Data



Immunohistochemistry analysis of paraffin-embedded Human Breast Carcinoma Tissue using JAK2 (6B4) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using JAK2 (6B4) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

## Note

For research use only.