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

Summary

Production Name	JAK2 (6B4) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	IHC-P
Reactivity	Human,Rat,Mouse

Performance

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

Immunogen

Gene Name	JAK2
Alternative Names	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
Gene ID	3717
SwissProt ID	O60674

Application

Dilution Ratio	IHC: 1/50-1/100
Molecular Weight	-

Background

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

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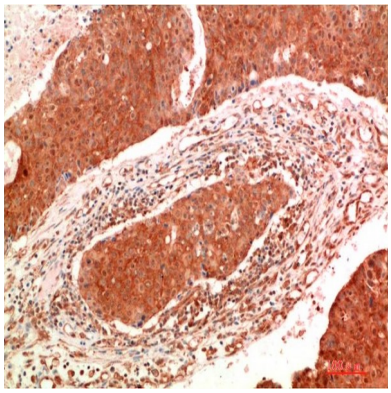
For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and its association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5A or STAT5B) is recruited, phosphorylated and activated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

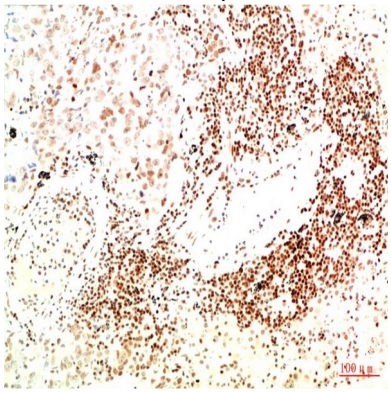
Research Area

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.