
Product Name: JAK2 Mouse Monoclonal Antibody**Catalog #: AMM84993**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide,0.5%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

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

Antigen Information

Gene Name	JAK2
Alternative Names	JAK2; Tyrosine-protein kinase JAK2; Janus kinase 2; JAK-2
Gene ID	3717.0
SwissProt ID	O60674
Immunogen	Synthetic peptide conjugated to KLH.

Background

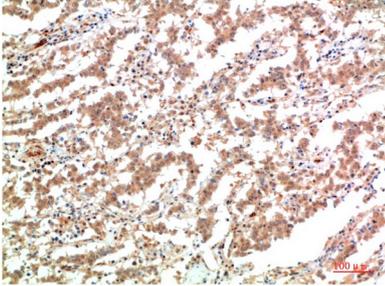
Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and its association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5A

or STAT5B) is recruited, phosphorylated and activated by JAK2.

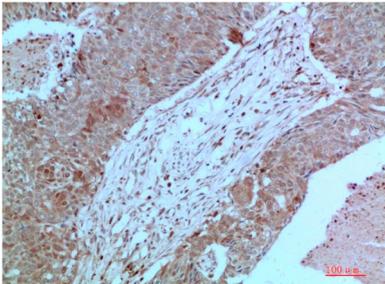
Research Area

PI3K-Akt signaling pathway, Jak-STAT signaling pathway

Image Data



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



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