
Product Name: JAK2 (7H5) Mouse Monoclonal Antibody**Catalog #: AMM03344**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	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	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
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
SwissProt ID	O60674
Immunogen	A synthetic peptide corresponding to target protein

Background

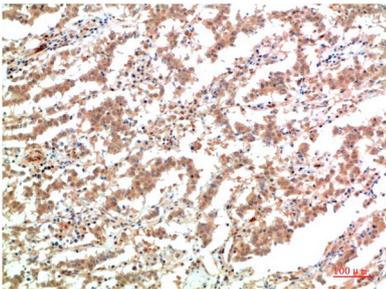
Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (EPO) during erythropoiesis leads to JAK2 autophosphorylation, activation, and its

association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5A or STAT5B) is recruited, phosphorylated and activated by JAK2.

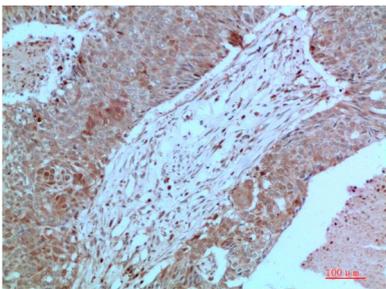
Research Area

Cell Biology

Image Data



Immunohistochemistry analysis of paraffin-embedded Human Lung Carcinoma Tissue using JAK2 (7H5) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using JAK2 (7H5) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.