

## Anti-JAK2 Mouse mAb

Purified Mouse Monoclonal Antibody

Catalog # M010361

### Product Information

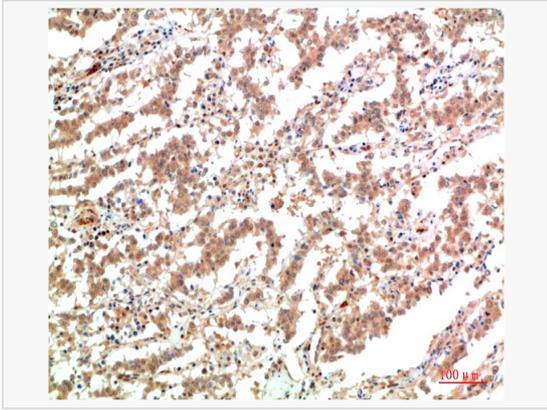
Application	IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Rat, Mouse (Cell)
Dilution	IHC-P 1:50~1:100
Host	Mouse
Clonality	Monoclonal
Clone No.	34M56K39
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic peptide conjugated to KLH.
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-JAK2 antibody [34M56K39] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

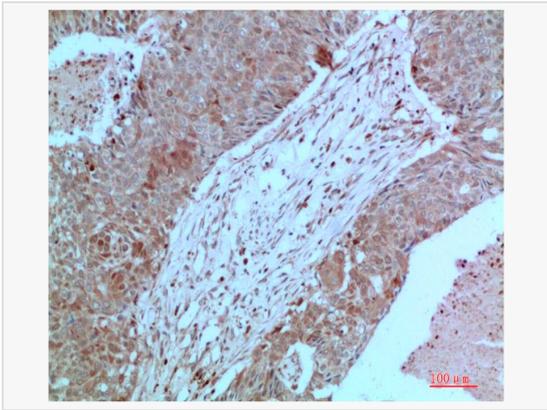
Synonyms	JAK2, Tyrosine-protein kinase JAK2, Janus kinase 2, JAK-2.
Uniprot ID	O60674
Gene ID	3717
Background	Phosphorylated STATs then form homodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (EPO) during erythropoiesis 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.

## Validation Images

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Immunohistochemistry analysis of paraffin-embedded Human Lung Carcinoma Tissue using JAK2 antibody [34M56K39]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunohistochemical analysis of paraffin-embedded Human tonsils using JAK2 antibody [34M56K39]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.