

# JAK2 Antibody

Catalog No: T55287

Reactivity: Human Mouse Rat

IsoType: Rabbit IgG

Applications: WB ICC/IF



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400-6123-828

## Information

**UniProt ID:** O60674

**All Names:** EC 2.7.10.2; JAK-2; JAK2; Janus kinase 2; kinase Jak2; JTK10; THCYT3;

**Form:** Liquid

**Storage instructions:** Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

**Storage buffer:** Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Purity:** Affinity-chromatography

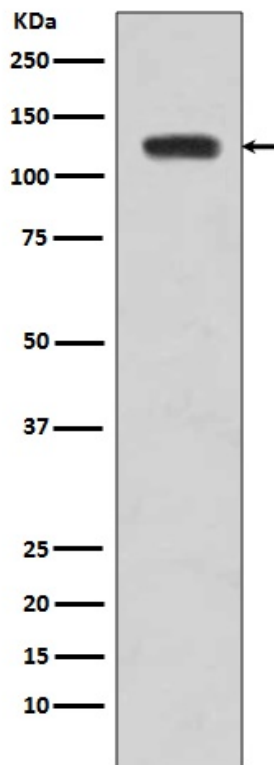
**Molecular Wt.:** 130kDa

## Application

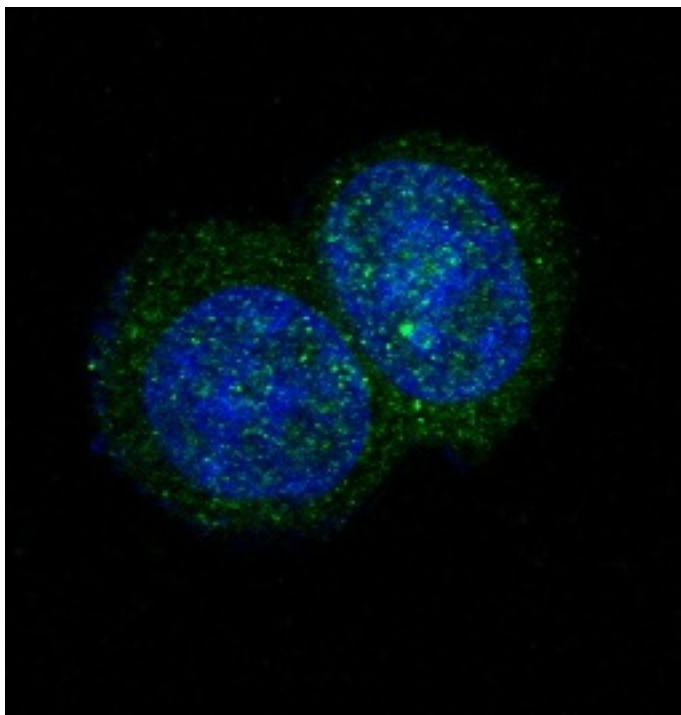
WB 1:500~1:2000 ICC/IF 1:50~1:200

## 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.



Western blot analysis of JAK2 expression in Jurkat cell lysate.



Immunofluorescent analysis of Jurkat cells, using JAK2 Antibody .