

## JAK3 Polyclonal Antibody

**Catalog No.** E-AB-63263

*Note:* Centrifuge before opening to ensure complete recovery of vial contents.

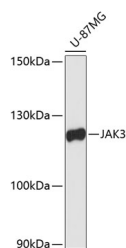
### Description

<b>Reactivity</b>	Human, Mouse, Rat
<b>Immunogen</b>	A synthetic peptide of human JAK3 (NP_000206.2).
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

### Applications Recommended Dilution

**WB 1:500-1:2000 IF**  
**1:50-1:100**

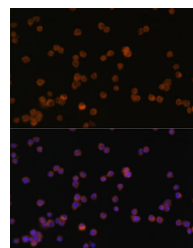
### Data



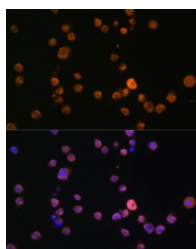
Western blot analysis of extracts of U-87MG cells using JAK3 Polyclonal Antibody at dilution of 1:1000.

**Observed Mw:125kDa**

**Calculated Mw:68kDa/121kDa/125kDa**



Immunofluorescence analysis of Raw264.7 cells using JAK3 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of THP-1 cells using JAK3 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.

### Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

### For Research Use Only

## Background

The protein encoded by this gene is a member of the Janus kinase (JAK) family of tyrosine kinases involved in cytokine receptor-mediated intracellular signal transduction. It is predominantly expressed in immune cells and transduces a signal in response to its activation via tyrosine phosphorylation by interleukin receptors. Mutations in this gene are associated with autosomal SCID (severe combined immunodeficiency disease).