

## Product datasheet for **TA377646**

### JAK2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, IP, WB
Recommended Dilution:	WB,1:500 - 1:2000 IHC,1:50 - 1:200 IF,1:50 - 1:200 IP,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human JAK2
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	130kDa
Gene Name:	Janus kinase 2
Database Link:	<a href="#">Entrez Gene 3717 Human O60674</a>

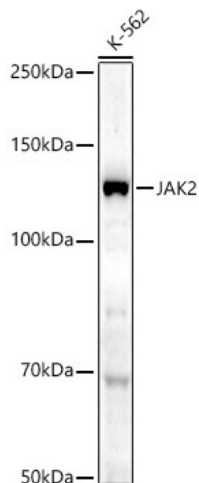
**Background:** This gene product is a protein tyrosine kinase involved in a specific subset of cytokine receptor signaling pathways. It has been found to be constitutively associated with the prolactin receptor and is required for responses to gamma interferon. Mice that do not express an active protein for this gene exhibit embryonic lethality associated with the absence of definitive erythropoiesis.



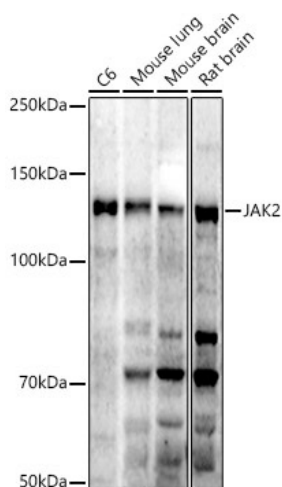
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Synonyms: JAK-2; JTK10

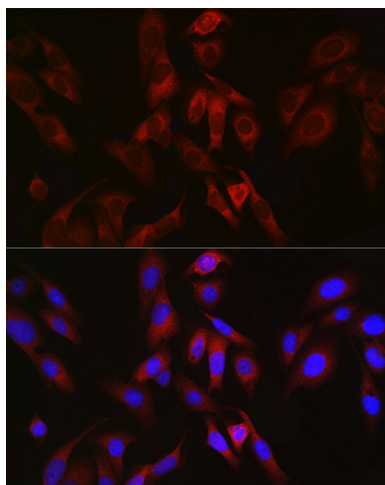
### Product images:



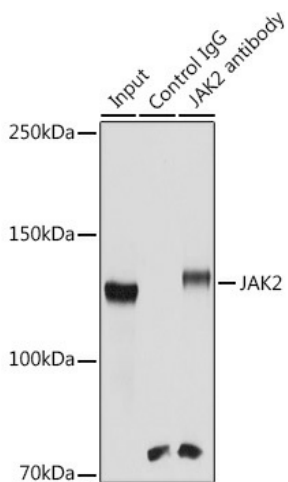
Western blot analysis of extracts of K-562 cells, using JAK2 antibody (TA377646) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 180s.



Western blot analysis of extracts of various cell lines, using JAK2 antibody (TA377646) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Enhanced Kit. | Exposure time: 120s.



Immunofluorescence analysis of U2OS cells using JAK2 Rabbit pAb (TA377646) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



Immunoprecipitation analysis of 25ug extracts of Mouse lung cells using 3ug JAK2 antibody (TA377646). Western blot was performed from the immunoprecipitate using JAK2 antibody (TA377646) at a dilution of 1:1000.