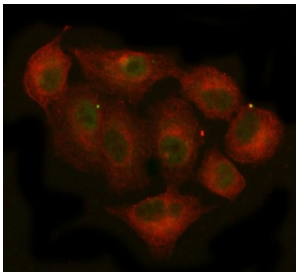
JAK2 Antibody [clone COG-10] (RQ4762)

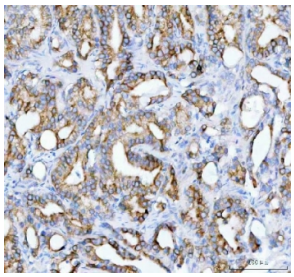
Catalog No.	Formulation	Size
RQ4762	Antibody in PBS with 0.02% sodium azide, 50% glycerol and 0.4-0.5mg/ml BSA	100 ul

Bulk quote request

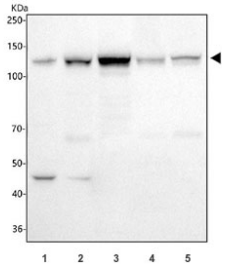
Availability	1-2 weeks
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	COG-10
Purity	Affinity purified
UniProt	O60674
Localization	Nuclear, cytoplasmic
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:50-1:200 Immunofluorescence/Immunocytochemistry: 1:50-1:200
Limitations	This JAK2 antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with JAK2 antibody (green) and Beta Tubulin antibody (red). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human prostate cancer tissue with JAK2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human HepG2, 2) human ThP-1, 3) rat NRK, 4) rat PC-12 and 5) mouse RAW264.7 cell lysate with JAK2 antibody. Predicted molecular weight ~130 kDa.

Description

Tyrosine-protein kinase JAK2 is a non-receptor tyrosine kinase involved in various processes such as cell growth, development, differentiation or histone modifications. Mediates essential signaling events in both innate and adaptive immunity. In the cytoplasm, plays a pivotal role in signal transduction via its association with type I receptors such as growth hormone (GHR), prolactin (PRLR), leptin (LEPR), erythropoietin (EPOR), thrombopoietin (THPO); or type II receptors including IFN-alpha, IFN-beta, IFN-gamma and multiple interleukins. [UniProt]

Application Notes

Optimal dilution of the JAK2 antibody should be determined by the researcher.

Immunogen

A synthetic peptide specific to human JAK2 was used as the immunogen for the JAK2 antibody.

Storage

Store the JAK2 antibody at -20oC.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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