ANTIBODIES ONLINE

Datasheet for ABIN729688 anti-JAK2 antibody (AA 601-700)

2 Images



Overview

Quantity:	100 μL
Target:	JAK2
Binding Specificity:	AA 601-700
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human JAK2
Isotype:	lgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Chicken
Purification:	Purified by Protein A.
Target Details	
Target:	JAK2

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Alternative Name: JAK2 (JAK2 Products) Background Synonyms: JTK1, THCYT3, Tyrosine-protein kinase JAK2, Jarus kinase 2, JAK 2, JAK2 Background Background: 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 (CHR), prolectin (PRLR), leptin (LEPR), eptitropoietin (FDPO), or type II receptors including IPN alpha, IFN-beta, IFN-gamma and multiple interleukins. Following ligand-binding to cell surface receptors, phosphorylates specific tyrosine residues on the cytoplasmic tails of the receptor, creating docking alter for STATs proteins. Subsequently, phosphorylate his STATs proteins once they are recruited to the receptor. Phosphorylated STATs the form hormodimer or heterodimers and translocate to the nucleus to activate gene transcription. For example, cell stimulation with erythropoietin (FEPO) during erythropoietis leads to JAK2 autophosphorylation, activation, and its association with erythropoietin receptor (EPOR) that becomes phosphorylated in its cytoplasmic domain. Then, STAT5 (STAT5 or STAT56) is recruited, phosphorylated in the cytoplasmic domain. Then, STAT5 (STAT5 or STAT56) is recruited. The specific tag that promotes the transcription of several estimated AHI (EPT) hosphorylation. Gene ID: 050674 Pathways: JAK STAT Signaling, INtraGinaling, Interferon garman Pathway, Positive Regulation of Pavetal Receptor Signaling Pathway, Response to Growth Hormone Stimulus, Positive Regulation of Endopeptidase Activity, Protein targeting to Nucleus, CXCR4-mediated Signaling, Events, Platelet-derived growth Factor Receptor Signaling, Unfolded Prot	Target Details	
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Application Details Application Notes: WB 1:300-5000		Growth Hormone Stimulus, Positive Regulation of Endopeptidase Activity, Protein targeting to
Application Details Application Notes: WB 1:300-5000		Nucleus, CXCR4-mediated Signaling Events, Platelet-derived growth Factor Receptor Signaling,
Application Notes: WB 1:300-5000		Unfolded Protein Response
	Application Details	
	Application Notes:	WB 1:300-5000
		ELISA 1:500-1000

FCM 1:20-100

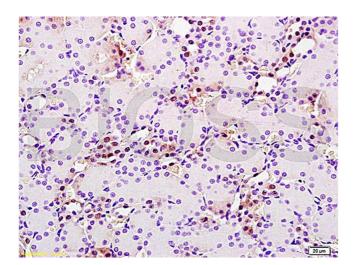
Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/4 | Product datasheet for ABIN729688 | 07/26/2024 | Copyright antibodies-online. All rights reserved.

Restrictions:	For Research Use only
	IF(ICC) 1:50-200
	IF(IHC-F) 1:50-200
	IF(IHC-P) 1:50-200
	IHC-F 1:100-500
	IHC-P 1:200-400

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

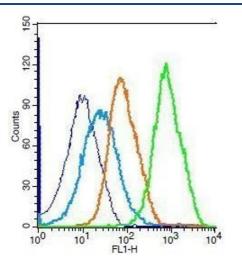
Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat kidney tissue with labeled Anti-JAK2 Polyclonal Antibody, unconjugated (ABIN729688) at 1: 200, followed by incubation with conjugated secondary antibody and DAB staining

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Flow Cytometry

Image 2. Mouse splenocytes probed with Rabbit Anti-JAK2 Polyclonal Antibody, Unconjugated .

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