

Datasheet for ABIN6255762
anti-JAK1 antibody (pTyr1022, pTyr1023)

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Overview

Quantity:	100 µL
Target:	JAK1
Binding Specificity:	pTyr1022, pTyr1023
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human JAK1 around the phosphorylation site of Tyr1022/Tyr1023.
Isotype:	IgG
Specificity:	Phospho-JAK1 (Tyr1022/Tyr1023) Antibody detects endogenous levels of JAK1 only when phosphorylated at Tyr1034/Tyr1035, which site historically referenced as Tyr1022/Tyr1023.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog,Chicken,Xenopus
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	JAK1
Alternative Name:	JAK1 (JAK1 Products)
Background:	Description: Tyrosine kinase of the non-receptor type, involved in the IFN-alpha/beta/gamma signal pathway (PubMed:7615558). Kinase partner for the interleukin (IL)-2 receptor (PubMed:11909529). Gene: JAK1
Molecular Weight:	130kDa
Gene ID:	3716
UniProt:	P23458
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Hepatitis C , Toll-Like Receptors Cascades , Unfolded Protein Response

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:500, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

Product cited in:	Deng, Cheng, Wu, Wang, Zhou, Huang: "Oxabicycloheptene Sulfonate Protects Against β -
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Amyloid-induced Toxicity by Activation of PI3K/Akt and ERK Signaling Pathways Via GPER1 in C6 Cells." in: **Neurochemical research**, Vol. 42, Issue 8, pp. 2246-2256, (2018) ([PubMed](#)).

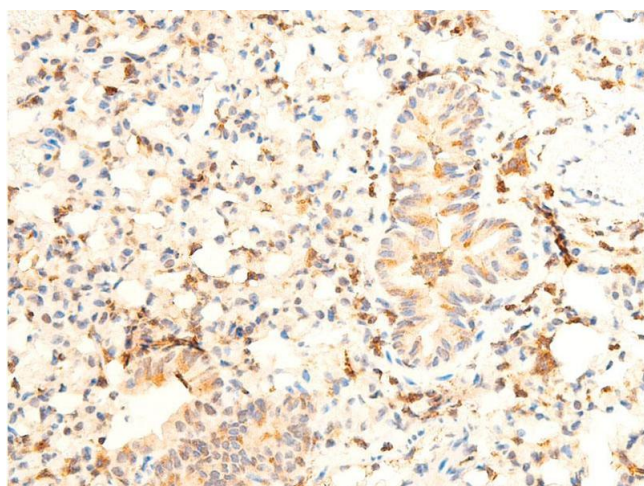
Li, Xiong, Xu, Duan, Yang, Zhou, Tu: "miR-29a regulated ER-positive breast cancer cell growth and invasion and is involved in the insulin signaling pathway." in: **Oncotarget**, Vol. 8, Issue 20, pp. 32566-32575, (2018) ([PubMed](#)).

Xie, Cao, Yang, Xu, Wei, Wang: "Relaxin Attenuates Contrast-Induced Human Proximal Tubular Epithelial Cell Apoptosis by Activation of the PI3K/Akt Signaling Pathway In Vitro." in: **BioMed research international**, Vol. 2017, pp. 2869405, (2018) ([PubMed](#)).

Peng, Wu, Deng, Zhou, Song, Yang, Zhang, Xu, Xia, Cai, Liu, Peng: "MiR-377 promotes white adipose tissue inflammation and decreases insulin sensitivity in obesity via suppression of sirtuin-1 (SIRT1)." in: **Oncotarget**, Vol. 8, Issue 41, pp. 70550-70563, (2018) ([PubMed](#)).

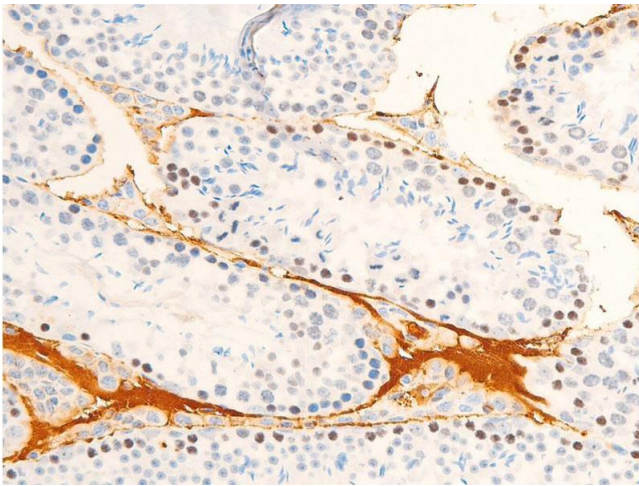
Li, Zhang, Jin, Zou, Wang, Hao, Fu, Jiao, Zhang, Lin, Matsuzaki, Zhao: "Dysifragilone A inhibits LPS-induced RAW264.7 macrophage activation by blocking the p38 MAPK signaling pathway." in: **Molecular medicine reports**, Vol. 17, Issue 1, pp. 674-682, (2018) ([PubMed](#)).

Images



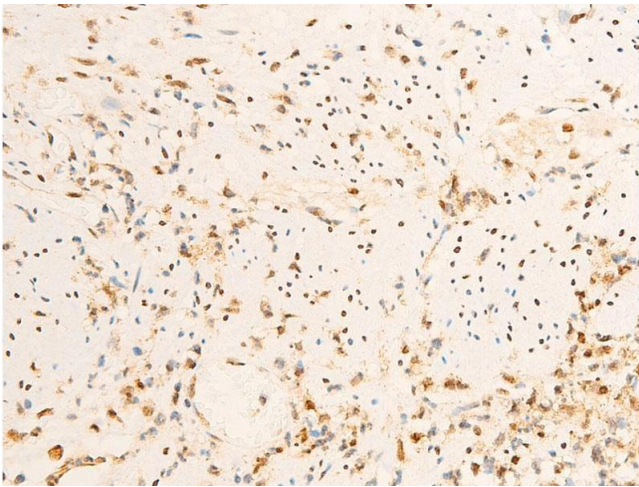
Immunohistochemistry

Image 1. ABIN6267072 at 1/100 staining mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunohistochemistry

Image 2. ABIN6267072 at 1/100 staining mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



Immunohistochemistry

Image 3. ABIN6267072 at 1/100 staining rat appendiceal tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

Please check the [product details page](#) for more images. Overall 12 images are available for ABIN6255762.