

Datasheet for ABIN1531881
anti-JAK1 antibody (pTyr1022)



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2 Images

Overview

Quantity:	100 µL
Target:	JAK1
Binding Specificity:	AA 988-1037, pTyr1022
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This JAK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human JAK1 around the phosphorylation site of Tyr1022.
Isotype:	IgG
Specificity:	JAK1 (Phospho-Tyr1022) Antibody detects endogenous levels of JAK1 only when phosphorylated at Tyr1022. PhosphorylationH:Y1022 M:Y1033 R:Y1078
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

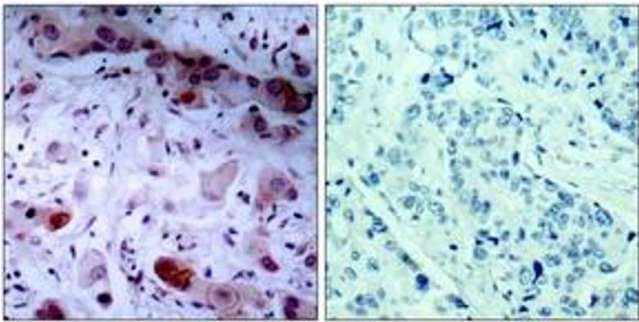
Target:	JAK1
Alternative Name:	JAK1 (JAK1 Products)
Background:	Synonyms: JAK-1, JAK1, JAK1A, Janus kinase 1, kinase Jak1 NCBI Gene Symbol: JAK1
Molecular Weight:	131 kDa
Gene ID:	3716
OMIM:	147795
UniProt:	P23458
Pathways:	JAK-STAT Signaling , RTK Signaling , Interferon-gamma Pathway , Hepatitis C , Toll-Like Receptors Cascades , Unfolded Protein Response

Application Details

Application Notes:	WB: 1:500~1:1000 IHC: 1:50~1:100 ELISA: 1:10000
Comment:	Unigene-Number: Hs.207538 (NCBI Gene Symbol: JAK1)
Restrictions:	For Research Use only

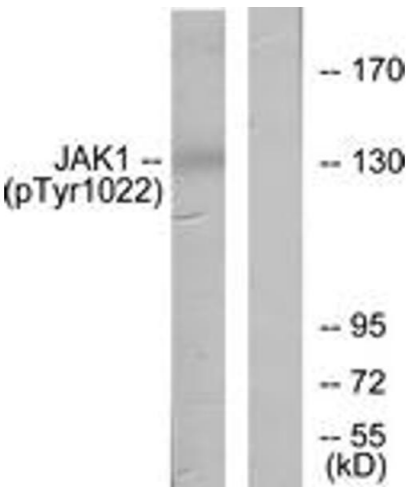
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using JAK1 (Phospho-Tyr1022) Antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from A549 cells , using JAK1 (Phospho-Tyr1022) Antibody. The lane on the right is treated with the synthesized peptide.