Product Datasheet

JAK1(Phospho-Tyr1022) Antibody

Catalog No: #11149

Package Size: #11149-1 50ul #11149-2 100ul #11149-4 25ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	JAK1(Phospho-Tyr1022) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of JAK1 only when phosphorylated at tyrosine 1022.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1022 (K-E-Y(p)-Y-T) derived from Human JAK1.
Target Name	JAK1
Modification	Phospho-Tyr1022
Other Names	Janus kinase 1
Accession No.	Swiss-Prot: P23458NCBI Protein: NP_002218.2
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

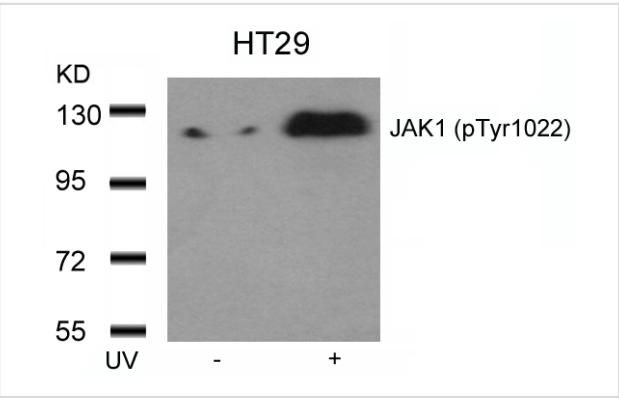
Application Details

Predicted MW: 130kd

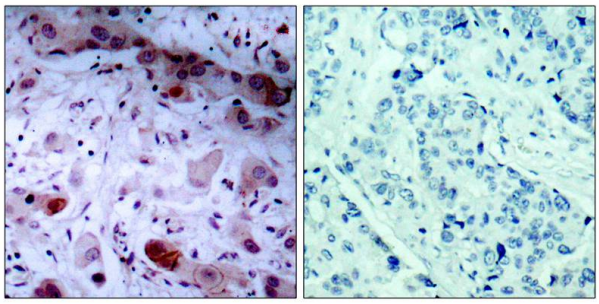
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from HT29 cells untreated or treated with UV using JAK1(Phospho-Tyr1022) Antibody #11149.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using JAK1(Phospho-Tyr1022) Antibody #11149(left) or the same antibody preincubated with blocking peptide(right).

Background

Tyrosine kinase of the non-receptor type, involved in the IFN-a/beta/gamma signal pathway. Kinase partner for the interleukin (IL)-2 receptor.

Zheng H, et al.(2005)Mol Cell Proteomics. 4(6):721-730.

Wang R, et al.(2003) Arch Biochem Biophys. 410(1): 7-15.

Published Papers

YOUNG CHA, BO-HYUN MOON, MI-OK LEE el at., Zap70 Functions to Maintain Stemness of Mouse Embryonic Stem Cells by Negatively Regulating Jak1/Stat3/c-Myc Signaling., STEM CELLS., 28(9):1476B¨C1486(2010)

PMID:20641039

Note: This product is for in vitro research use only and is not intended for use in humans or animals.