

Jak2(Phospho-Tyr1007) Antibody

Catalog No: #11151



Package Size: #11151-1 50ul #11151-2 100ul

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Description

Product Name	Jak2(Phospho-Tyr1007) 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 chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of JAK2 only when phosphorylated at tyrosine 1007.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 1007 (K-E-Y(p)-Y-K) derived from Human JAK2.
Conjugates	Unconjugated
Target Name	Jak2
Modification	Phospho
Other Names	JAK-2; JAK2; Janus kinase 2; kinase Jak2;
Accession No.	Swiss-Prot: O60674NCBI Protein: NP_004963.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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.

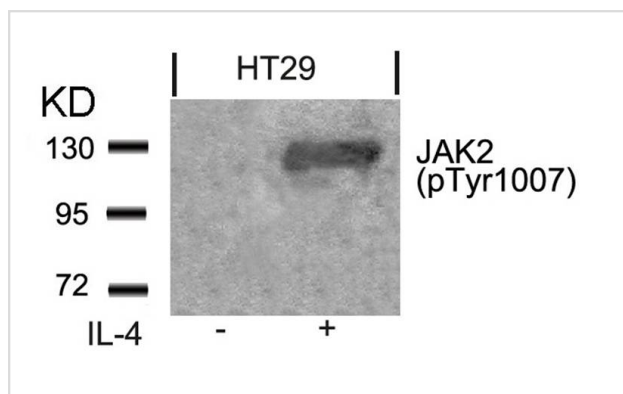
Application Details

Predicted MW: 125kd

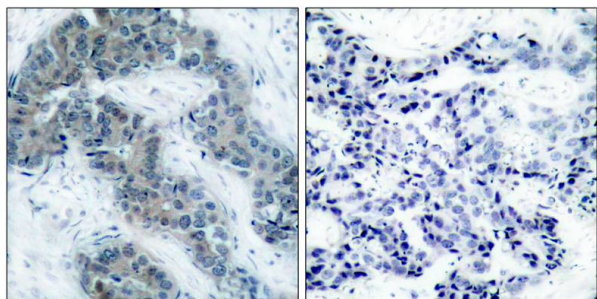
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

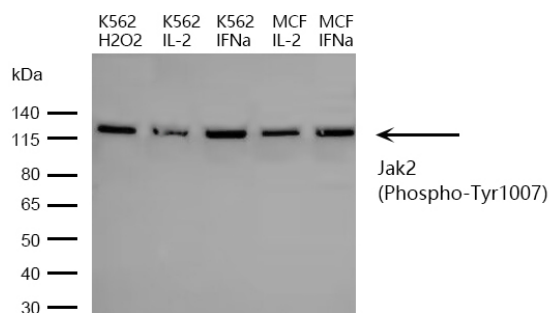
Images



Western blot analysis of extracts from HT29 cells untreated or treated with IL-4 using JAK2(Phospho-Tyr1007) Antibody #11151.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using JAK2(Phospho-Tyr1007) Antibody #11151(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of various lysates using Jak2(Phospho-Tyr1007) Antibody at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (L3012) at 1:10000 dilution. Lysates/proteins: 25µg per lane.

Background

Plays a role in leptin signaling and control of body weight

James C, et al. (2005) Nature. 434(7037): 1144-1148.

Argetsinger LS, et al. (2004) Mol Cell Biol. 24(11): 4955-4967.

Ungureanu D, et al. (2002) Mol Cell Biol. 22(10): 3316-3326.

Xie S, et al. (2001) Oncogene. 20(43): 6188-6195.

Published Papers

et al., A thiazole-derived oridonin analogue exhibits antitumor activity by directly and allosterically inhibiting STAT3. In J Biol Chem on 2019 Nov 15;by Shen X, Zhao L,et al..PMID:31594861, , (2019)

[PMID:31594861](#)

et al., The Combination of Adipose-derived Schwann-like Cells and Acellular Nerve Allografts Promotes Sciatic Nerve Regeneration and Repair through the JAK2/STAT3 Signaling Pathway In Rats. In Neuroscience on 2019 Dec 1 by Fu XM, Wang Y, et al..PMID:31682951, , (2019)

[PMID:31682951](#)

et al., Cetuximab enhances oridonin-induced apoptosis through mitochondrial pathway and endoplasmic reticulum stress in laryngeal squamous cell carcinoma cells. In Toxicol In Vitro on 2020 May 12 by Ning Kang, Shijie Cao, et al..PMID:32407876, , (2020)

[PMID:32407876](#)

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