

STAT5a(Phospho-Tyr694) Antibody

Catalog No: #11048



Package Size: #11048-1 50ul #11048-2 100ul

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

Description

Product Name	STAT5a(Phospho-Tyr694) 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 STAT5A only when phosphorylated at tyrosine 694.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 694 (D-G-Y(p)-V-K) derived from Human STAT5A.
Conjugates	Unconjugated
Target Name	STAT5a
Modification	Phospho
Other Names	MGF; MPF; Mammary gland factor; STA5A,; STAT5
Accession No.	Swiss-Prot: P42229NCBI Protein: NP_003143.2
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.

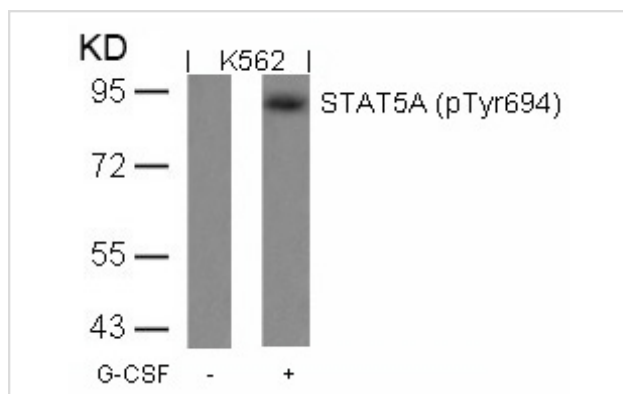
Application Details

Predicted MW: 90kd

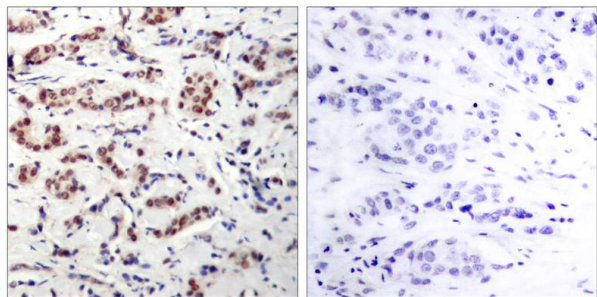
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from K562 cells untreated or treated with G-CSF using STAT5A(Phospho-Tyr694) Antibody #11048.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT5A(Phospho-Tyr694) Antibody #11048(left) or the same antibody preincubated with blocking peptide(right).

Background

Carries out a dual function: signal transduction and activation of transcription. Binds to the GAS element and activates PRL-induced transcription.

Gouilleux F, et al. (1994) EMBO J. 13: 4361-4369.

Dentelli P, et al. (1999) J Immunol. 163: 2151-2159.

Meinke A, et al. (1996) Mol Cell Biol. 16: 6937-6944.

Published Papers

Drechsler J, Groh C, Zitzinger J, Hermanns HM et al., Characterization of the Rat Oncostatin M Receptor Complex Which Resembles the Human, but Differs from the Murine Cytokine Receptor. , PLoS ONE, 7(8): e43155.(2012)

[PMID:22937020](#)

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., Downregulation of CCND1 and CDK6 by miR-34a Induces Cell Cycle Arrest.In FEBS Lett on 2008 Apr 30 by Fang Sun, Hanjiang Fu,et al..PMID:18406353, , (2008)

[PMID:18406353](#)

et al., JAK3 deregulation by activating mutations confers invasive growth advantage in extranodal nasal-type natural killer cell lymphoma.In Leukemia on 2014 Feb by A Boucekoua 1 , L Scourzic et al..PMID: 23689514, , (2014)

[PMID:23689514](#)

et al., The tyrosine phosphatase SHP2 is required for cell transformation by the receptor tyrosine kinase mutants FIP1L1-PDGFR δ O and PDGFR δ O D842V.In Mol Oncol on 2014 May by Laura A No ζ — I , Florence A Arts et al..PMID:24618081, , (2016)

[PMID:24618081](#)

et al., PDGFRA alterations in cancer: characterization of a gain-of-function V536E transmembrane mutant as well as loss-of-function and passenger mutations.In Oncogene on 2014 May 15 by A I Velghe, S Van Cauwenberghe et al..PMID:23752188, , (2014)

[PMID:23752188](#)

Xiaodi Gong;Xiaojun Liu et al., In-depth analysis of the expression and functions of signal transducers and activators of transcription in human ovarian cancer, , (2022)

[PMID:](#)

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