

STAT3 Antibody

Catalog No: #21045



Package Size: #21045-1 50ul #21045-2 100ul

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

Description

Product Name	STAT3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total STAT3 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.703~707(A-P-Y-L-K) derived from Human STAT3.
Conjugates	Unconjugated
Target Name	STAT3
Other Names	APRF; Acute-phase response factor; HIES
Accession No.	Swiss-Prot: P40763NCBI Protein: NP_003141.2
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

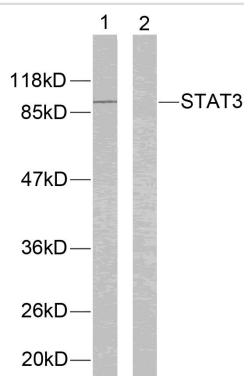
Predicted MW: 88kd

Western blotting: 1:500~1:1000

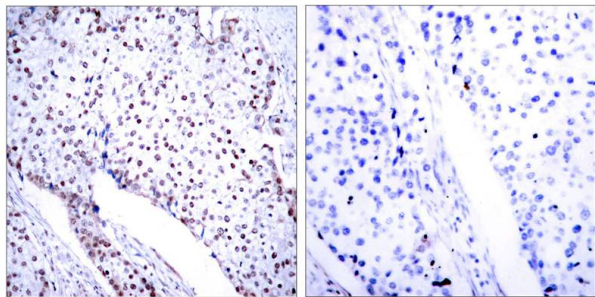
Immunohistochemistry: 1:50~1:100

Immunofluorescence: IF:1:100~1:200

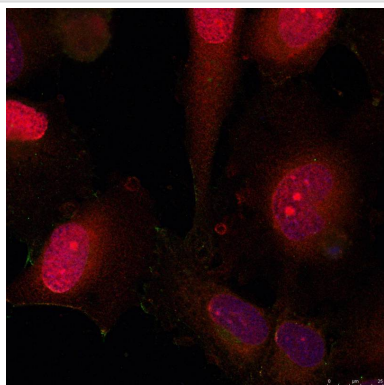
Images



Western blot analysis of extracts from Hela cells using
STAT3(Ab-705) Antibody #21045(lane 1)



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3(Ab-705) antibody(#21045).



Immunofluorescence staining of methanol-fixed HeLa cells using STAT3(Ab-705) antibody (#21045, Red).

Background

Transcription factor that binds to the interleukin-6 (IL-6)-responsive elements identified in the promoters of various acute-phase protein genes.

Activated by IL31 through IL31RA.

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Takeda K, et al. (1997) Proc Natl Acad Sci USA. 94: 3801-3804.

Catlett-Falcone R, et al. (1999) Immunity. 10: 105-115.

Garcia R, et al. (1998) J Biomed Sci. 5: 79-85.

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Published Papers

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el at., Atrial natriuretic peptide suppresses Th17 development through regulation of cGMP-dependent protein kinase and PI3K/ Akt signaling pathways. In Regul Pept on 2013 Feb 10 by Libing Ma, Jinxiu Li, et al..PMID: 23327998, , (2013)

[PMID:23327998](#)

el at., A Guanidine-Rich Regulatory Oligodeoxynucleotide Improves type-2 Diabetes in Obese Mice by Blocking T-cell Differentiation. In EMBO Mol Med on 2012 Oct by Xiang Cheng, Jing Wang, et al..PMID:23027613, , (2012)

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el at., Girdin/GIV is upregulated by cyclic tension, propagates mechanical signal transduction, and is required for the cellular proliferation and migration of MG-63 cells. In Biochem Biophys Res Commun. On 2015 Aug 21 by Hu JT, Li Y et al..PMID:26163263, , (2015)

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el at., Magnolol Attenuates Right Ventricular Hypertrophy and Fibrosis in Hypoxia-Induced Pulmonary Arterial Hypertensive Rats Through Inhibition of the JAK2/STAT3 Signaling Pathway. In Front Pharmacol on 2021 Oct 26 by Minyi Fu, Fangmei Luo, et al..PMID:34764873, , (2021)

[PMID:34764873](#)

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