STAT3(Phospho-Ser727) Antibody

Catalog No: #11046

Package Size: #11046-1 50ul #11046-2 100ul #11046-4 25ul

Overview

Product Name	STAT3(Phospho-Ser727) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	STAT3
Modification	Phospho-Ser727
Alternative Names	APRF, HIES

Application Details

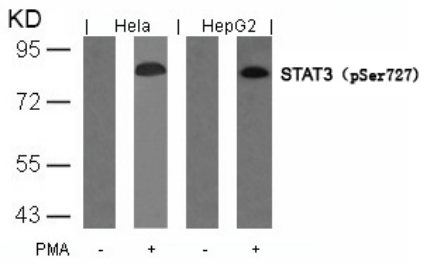
Predicted MW: 88kd

Western blotting: 1:500~1:1000

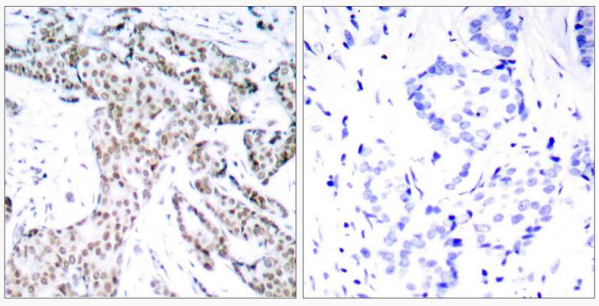
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

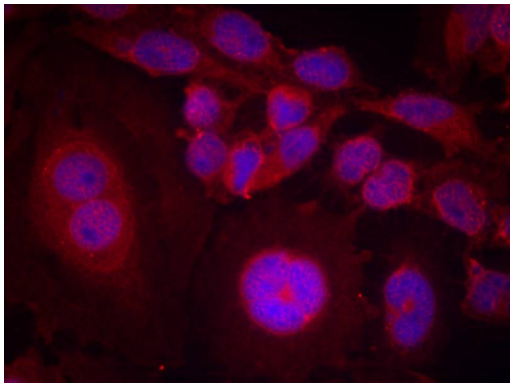
Images



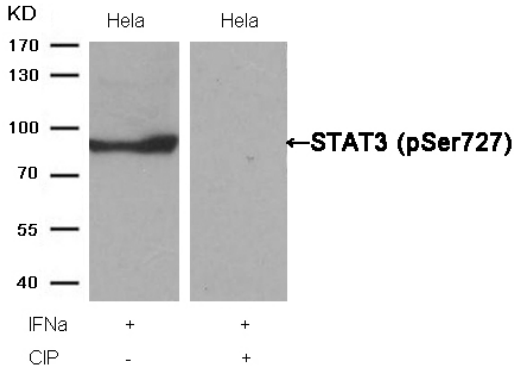
Western blot analysis of extracts from Hela and HepG2 cells untreated or treated with PMA usingSTAT3(Phospho-Ser727) Antibody #11046.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using STAT3(Phospho-Ser727) Antibody #11046(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using STAT3(Phospho-Ser727) Antibody #11046.



Western blot analysis of extracts from Hela cells, treated with IFNa or calf intestinal phosphatase (CIP), using STAT3 (Phospho-Ser727) Antibody #11046.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of serine 727 (P-M-S(p)-P-R) derived from Human STAT3.
Specificity	The antibody detects endogenous level of STAT3 only when phosphorylated at serine 727.
Purifiction	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.
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.
Accession NO.	Swiss-Prot: P40763NCBI Protein: NP_003141.2

Related Information

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.

Heim M H, (1999) J Recept Signal Transduct Res. 19: 75-120.
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.
Bromberg J F, et al. (1999) Cell. 98: 295-303.

Published Papers

ANIRBAN MAJUMDER, SASWATI BANERJEE, JOSHUA A. HARRILL el at., Neurotrophic Effects of Leukemia Inhibitory Factor on Neural Cells Derived from Human Embryonic Stem Cells., STEM CELLS, 30:2387B¨C2399(2012)

PMID:22899336

Heng-Chao Yu, Hong-Yan Qin, Fei He el at., Canonical Notch Pathway Protects Hepatocytes from Ischemia/Reperfusion Injury in Mice by Repressing

Reactive Oxygen Species Production Through JAK2/STAT3 Signaling., HEPATOLOGY, 54(3):979-988(2011)
PMID:21633967

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