Src(Phospho-Tyr529) Antibody

Catalog No: #11153

Package Size: #11153-1 50ul #11153-2 100ul #11153-4 25ul

Overview

Product Name	Src(Phospho-Tyr529) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Immunogen Type	Peptide-KLH
Target Name	Src
Modification	Phospho-Tyr529
Alternative Names	C-SRC; SRC1;

Application Details

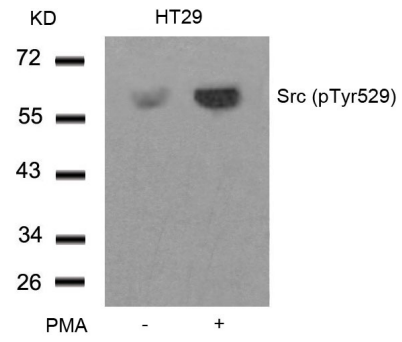
Predicted MW: 60kd

Western blotting: 1:500~1:1000

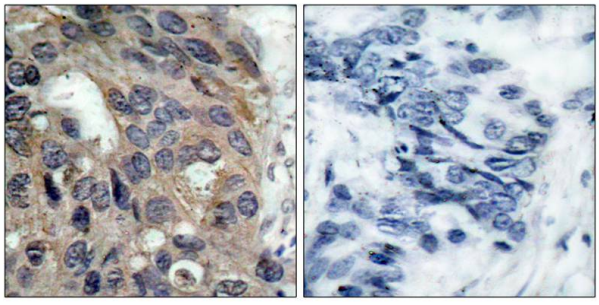
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

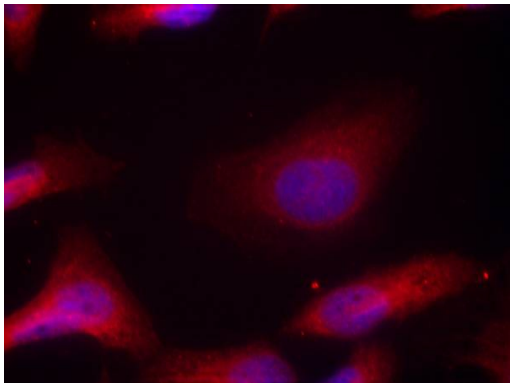
Images



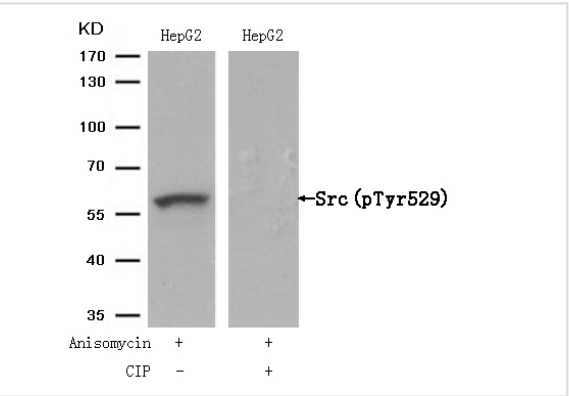
Western blot analysis of extracts from HT29 cells untreated or treated with PMA using Src(Phospho-Tyr529) Antibody #11153.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Src(Phospho-Tyr529) Antibody #11153(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed Hela cells using Src(Phospho-Tyr529) Antibody #11153.



Western blot analysis of extracts from HepG2 cells, treated with Anisomycin or calf intestinal phosphatase (CIP), using Src (Phospho-Tyr529) Antibody #11153.

Descriptions

Immunogen	Peptide sequence around phosphorylation site of tyrosine 529 (P-Q-Y(p)-Q-P) derived from Human Src.
Specificity	The antibody detects endogenous level of Src only when phosphorylated at tyrosine 529.
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: P12931NCBI Protein: NP_005408.1

Related Information

proto-oncogenic cytoplasmic tyrosine kinase of the SRC family. Highly expressed in certain fully differentiated cells such as neurons, platelets and macrophages. Phosphorylation of an activation loop tyrosine activates the enzyme; phosphorylation of a tyrosine in the C-terminus by Csk inhibits the enzyme.

Pyper J.M., (1985) Mol. Cell. Biol. 5:831-838
Pyper J.M.(1990) Mol. Cell. Biol. 10:2035-2040
Xu W., (1997).Nature 385:595-602
Benes C.H., (2005) Cell 121:271-280

Published Papers

Yanhua Zheng, Yan Xia, Xiang Gao el at., FAK Phosphorylation by ERK Primes Ras-Induced Tyrosine Dephosphorylation of FAK Mediated by PIN1 and PTP-PEST., Molecular Cell, 35(1):11B¨C25(2009)

PMID:19595712

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