

Src(Ab-529) Antibody

Catalog No: #21168

Package Size: #21168-1 50ul #21168-2 100ul

Description

Product Name	Src(Ab-529) 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
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total Src protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 527~531 (P-Q-Y-Q-P) derived from Human Src.
Conjugates	Unconjugated
Target Name	Src
Other Names	C-SRC; SRC1;
Accession No.	Swiss-Prot: P12931NCBI Protein: NP_005408.1
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.

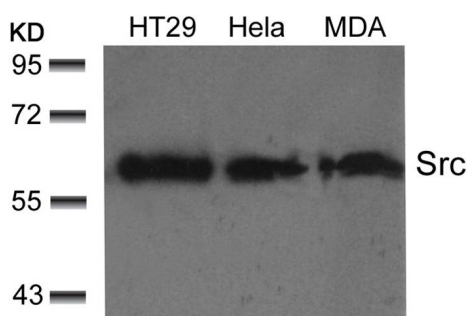
Application Details

Predicted MW: 60kd

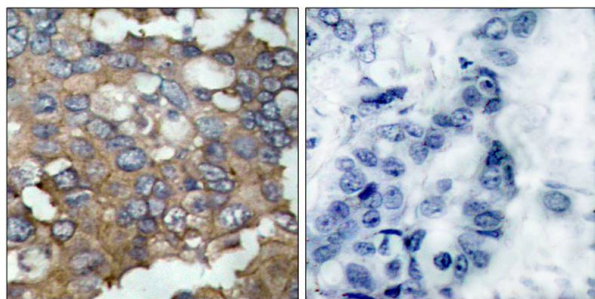
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

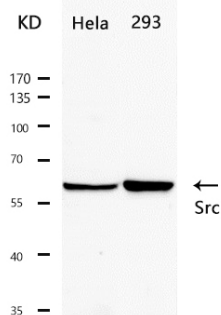
Images



Western blot analysis of extracts from HT29, HeLa and MDA cells using Src(Ab-529) Antibody #21168.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Src(Ab-529) Antibody #21168(left) or the same antibody preincubated with blocking peptide(right).



Western Blot analysis of Hela /293 cells using Src Polyclonal Antibody

Background

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

el at., PTBP3 contributes to the metastasis of gastric cancer by mediating CAV1 alternative splicing.In Cell Death Dis.On 2018 May 1 by PMID: 29752441 , , (2018)

[PMID:29752441](#)

el at., 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](#)

el at., FAK phosphorylation by ERK primes ras-induced tyrosine dephosphorylation of FAK mediated by PIN1 and PTP-PEST. In Mol Cell on 2009 Jul 10 by Yanhua Zheng, Yan Xia, et al..PMID:19595712, , (2009)

[PMID:19595712](#)

el at., HER2-targeted hybrid peptide that blocks HER2 tyrosine kinase disintegrates cancer cell membrane and inhibits tumor growth in vivo. In Mol Cancer Ther on 2013 Apr

by Megumi Kawamoto, Tomohisa Horibe, et al..PMID:23358664, , (2013)

[PMID:23358664](#)

el at., PKM2 dephosphorylation by Cdc25A promotes the Warburg effect and tumorigenesis.In Nat Commun on 2016 Aug 3 by Ji Liang , Ruixiu Cao et al..PMID: 27485204, , (2016)

[PMID:27485204](#)

el at., Sodium Bicarbonate Facilitates Hemostasis in the Presence of Cerebrospinal Fluid Through Amplification of Platelet Aggregation.

In Neurosurgery on 2016 Feb by Yukinori Kozuma, Tetsuya Yamamoto,et al..PMID: 26457486, , (2016)

[PMID:26457486](#)

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