Datasheet for ABIN1682877

anti-Src antibody (AA 410-536)

3 Images

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Overview

Quantity:	100 µg
Target:	Src
Binding Specificity:	AA 410-536
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Src antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 410-536 of human Src (NP_005408.1).
Sequence:	LARLIEDNEY TARQGAKFPI KWTAPEAALY GRFTIKSDVW SFGILLTELT TKGRVPYPGM VNREVLDQVE RGYRMPCPPE CPESLHDLMC QCWRKEPEER PTFEYLQAFL EDYFTSTEPQ YQPGENL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Src
Alternative Name:	SRC (Src Products)
Target Type:	Viral Protein
Background:	This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene.,ASV,SRC1,THC6,c-SRC,p60-Src,SRC,Epigenetics & Nuclear Signaling,Cancer,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Kinase,Tyrosine kinases,ErbB-HER Signaling Pathway,MAPK-Erk Signaling Pathway,Cell Biology & Developmental Biology,Apoptosis,Inhibition of Apoptosis,Cell Adhesion,Gap Junctions,Cytoskeleton,Microtubules,Actins,Wnt/β-Catenin Signaling Pathway,Immunology & Inflammation,IL-6 Receptor Signaling Pathway,Cardiovascular,Angiogenesis,SRC
Molecular Weight:	59 kDa/60 kDa
Gene ID:	6714
UniProt:	P12931
Pathways:	JAK-STAT Signaling, Neurotrophin Signaling Pathway, Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, Cellular Response to Molecule of Bacterial Origin, Cell-Cell Junction Organization, Regulation of Carbohydrate Metabolic Process, Autophagy, CXCR4-mediated Signaling Events, Signaling Events mediated by VEGFR1 and VEGFR2, Smooth Muscle Cell Migration, Negative Regulation of intrinsic apoptotic Signaling, Platelet-derived growth Factor Receptor Signaling, Thromboxane A2 Receptor Signaling, Signaling of Hepatocyte Growth Factor Receptor, VEGF Signaling

Application Details

Application Notes:	WB,1:500 - 1:1000,IP,1:50 - 1:200
Restrictions:	For Research Use only

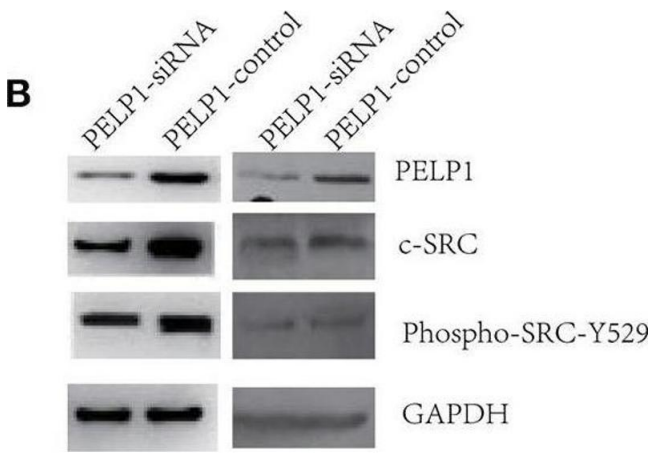
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

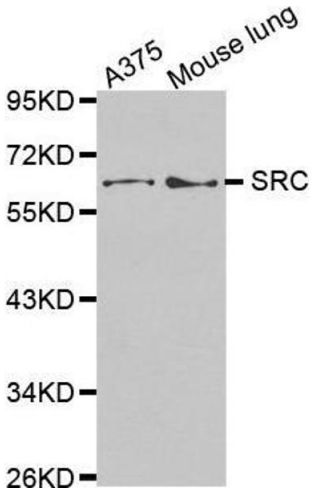
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



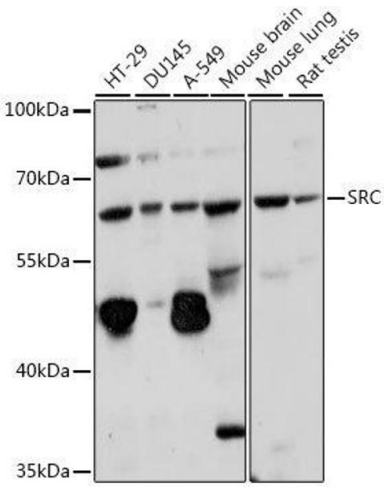
Western Blotting

Image 1. PELP1 knockdown downregulated c-Src-PI3K-Erk pathway. (A) BIOCARTA analysis of PELP1 modulation of estrogen receptor activity in human pathway. AGS and SNU-1 cells were transfected with PELP1 siRNA or a non-targeting siRNA (control) for 48 h. (B) PELP1 silencing was accompanied by downregulation of c-Src and decreased phospho-Src-Y529 protein as determined by western blot. (C) PELP1 silencing was accompanied by the downregulation of c-Src mRNA, PI3K mRNA and Erk mRNA as determined by quantitative RT-PCR. Values are the mean ± SEM (*p < 0.05, **p < 0.01, ***p < 0.001). - figure provided by CiteAb. Source: PMID32117782



Western Blotting

Image 2.



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using SRC antibody.