Bi-Phospho-Yes1(y537)/Phospho-Src(y530) Antibody Blocking Peptide

PRODUCT OVERVIEW

Product Name	Bi-YES1 (Y537)/SRC (Y530), Blocking Peptide
Full Product Name	Bi-Phospho-YES1(Y537)/Phospho-SRC(Y530) Antibody Blocking peptide
Product Gene Name	SRC blocking peptide
Product Synonym Names	Proto-oncogene tyrosine-protein kinase Src; Proto-oncogene c-Src; pp60c-src; p60-Src; SRC; SRC1
Form/Format	The synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml deionized water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence used to generate the antibody was selected from the 532-542 region of human Phospho-YES1-Y537. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	Bi-YES1 (Y537)/SRC (Y530) peptide (MBS9225071) is used for blocking the activity of Bi-YES1 (Y537)/SRC (Y530) antibody (MBS9212154)
Molecular Weight	60,589 Da
OMIM	190090
Related Product Information for SRC blocking peptide	MBS9225071 is a blocking peptide targeting SRC. Also known as Bi-Phospho-YES1(Y537)/Phospho-SRC(Y530) Antibody Blocking peptide.
Other Notes	Small volumes of SRC blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SRC. It may not necessarily be applicable to this product.

NCBI GI #	125711
NCBI GeneID	6714
NCBI Accession #	P12931.3
UniProt Primary Accession #	P12931
UniProt Secondary Accession #	Q76P87; Q86VB9; Q9H5A8; E1P5V4
UniProt Related Accession #	P12931
NCBI Official Full Name	Proto-oncogene tyrosine-protein kinase Src
NCBI Official Synonym Full Names	SRC proto-oncogene, non-receptor tyrosine kinase
NCBI Official Symbol	SRC
NCBI Official Synonym Symbols	ASV; SRC1; THC6; c-SRC; p60-Src
UniProt Protein Name	Proto-oncogene tyrosine-protein kinase Src
UniProt Synonym Protein Names	Proto-oncogene c-Src; pp60c-src; p60-Src
Protein Family	Neuronal proto-oncogene tyrosine-protein kinase

UniProt Gene Name	SRC
UniProt Synonym Gene Names	SRC1; p60-Src
UniProt Entry Name	SRC_HUMAN
NCBI Protein Information	proto-oncogene tyrosine-protein kinase Src
NCBI Summary for SRC	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. [provided by RefSeq, Jul 2008]
UniProt Comments for SRC	Src: 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. Two alternatively spliced isoforms have been described. Protein type: EC 2.7.10.2; Oncoprotein; Protein kinase, tyrosine (non-receptor); Protein kinase, TK; Kinase, protein; TK group; Src family Chromosomal Location of Human Ortholog: 20q12-q13 Cellular Component: caveola; cytoplasm; cytosol; extrinsic to internal side of plasma membrane; late endosome; lysosome; mitochondrial inner membrane; mitochondrion; plasma membrane Molecular Function: enzyme binding; ephrin receptor binding; heme binding; hormone receptor binding; integrin binding; kinase activity; kinase binding; non-membrane spanning protein tyrosine kinase activity; phosphoprotein binding; protein binding; protein kinase activity; protein-tyrosine kinase activity; receptor binding; SH2 domain binding; SH3/SH2 adaptor activity Biological Process: bone resorption; central nervous system development; ephrin receptor signaling pathway; epidermal growth factor receptor signaling pathway; estrogen receptor signaling pathway; innate immune response; integrin-mediated signaling pathway; leukocyte migration; negative regulation of apoptosis; negative regulation of caspase activity; negative regulation of focal adhesion formation; negative regulation of mitochondrial depolarization; negative regulation of protein homooligomerization; negative regulation of telomerase activity; negative regulation of telomere maintenance via telomerase; peptidyl-tyrosine phosphorylation; platelet activation; platelet-derived growth factor receptor signaling pathway; positive regulation of integrin activation; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of protein kinase B signaling cascade; progesterone receptor signaling pathway; protein amino acid autophosphorylation; regulation of bone resorption; regulation of cell cycle; regulation of cell proliferation; regulation of cell-cell adhesion; regulation of vascular permeability; signal complex assembly; signal transduction; stimulatory C-type lectin receptor signaling pathway; stress fiber formation; T cell costimulation; transforming growth factor beta receptor signaling pathway; vascular endothelial growth factor receptor signaling pathway
Research Articles on SRC	**1.** Data show that c-Src is expressed by Sertoli and germ cells; its activation is required for germ cell adhesion and detachment and it mediates disassembly of Sertoli cell-spermatid junctions during spermatogenesis through an endocytic mechanism.[review]
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