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Product datasheet for CF813091

SRC Mouse Monoclonal Antibody [Clone ID: OTI6B2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI6B2
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 84-365 of human SRC (NP_005408) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	59.7 kDa
Gene Name:	SRC proto-oncogene, non-receptor tyrosine kinase
Database Link:	NP_005408 Entrez Gene 20779 MouseEntrez Gene 83805 RatEntrez Gene 6714 Human P12931

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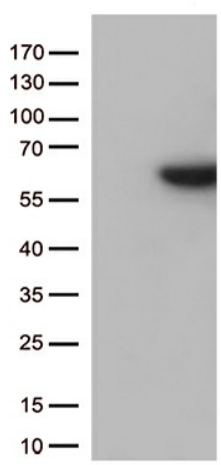
Background: This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. 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. [provided by RefSeq, Jul 2008]

Synonyms: ASV; c-SRC; p60-Src; SRC1; THC6

Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase, Stem cell relevant signaling - JAK/STAT signaling pathway

Protein Pathways: Adherens junction, Endocytosis, Epithelial cell signaling in Helicobacter pylori infection, ErbB signaling pathway, Focal adhesion, Gap junction, GnRH signaling pathway, Tight junction, VEGF signaling pathway

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SRC (Cat# [RC208622], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SRC (Cat# [TA813091])(1:500).