

## SRC

### Mouse Anti-Human SRC Clone 184Q20 mAb

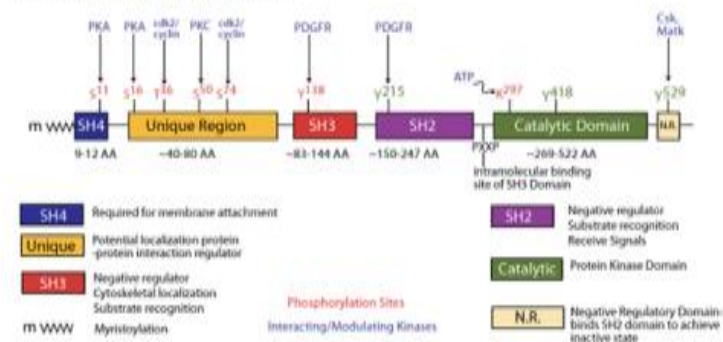
<b>Catalog No.</b>	CSI12427	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	ASV, SRC1, c-SRC, p60-Src, proto-oncogene tyrosine-protein kinase SRC, protooncogene SRC, Rous sarcoma, tyrosine kinase pp60c-src, tyrosine-protein kinase SRC-1		
<b>Description:</b>	SRC (184Q20) UNCONJ MS X; Unconjugated Monoclonal antibody specific to Human, Mouse, Rat Src. This antibody is validated for use in Western Blot. Anti-Src recognizes the expressed product of the SRC gene.		
<b>Specificity:</b>	This monoclonal antibody recognizes a 60 kDa protein identified as Src. Src (also known as pp60 <sup>src</sup> ) is a non-receptor tyrosine kinase involved in signal transduction in many biological systems and implicated in the development of human tumors. There are two critical phosphorylation sites of tyrosine on Src, tyrosine 418 and tyrosine 529 (referring to human Src sequence). The tyrosine 418 is located in the catalytic domain and is one		
<b>Isotype:</b>	IgG <sub>1</sub> κ (mouse)		
<b>Immunogen:</b>	Recombinant human c-Src expressed in <i>E. coli</i> .		
<b>Clone:</b>	184Q20		
<b>Purification:</b>	Purified from ascites by affinity chromatography.		
<b>Formulation:</b>	Purified immunoglobulin in phosphate buffered saline, pH 7.2, with 1% bovine serum albumin.		
<b>Preservative:</b>	0.1% sodium azide. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Recommended Positive Control:</b>	Human MCF-7 cells, mouse L-929 cells, and rat PC-12 cells.		
<b>Cross-Reactivity:</b>	Human, mouse, and rat. Other species were not tested.		
<b>Applications:</b>	This antibody is suitable for use in Western blotting. For Western blotting, the recommended concentration is 1 µg/mL. The optimal antibody concentration should be determined for each specific application.		
<b>Storage &amp; Stability:</b>	Store at 2-8°C. For long term storage, aliquot into small volumes and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.		



## Src Protein Schematic.

Src Protein Schematic–Src (also known as pp60src) is a 60 kDa non-receptor tyrosine kinase that was identified as a cellular substrate (c-Src) of the Rous sarcoma virus (RSV). The Src family kinases play an important role in ligand-induced cellular responses including proliferation, survival, adhesion and migration. Src has also been implicated in a variety of human diseases including mammary, liver and colon cancer as well as osteoclast-mediated bone resorption. For example, c-Src has been found to be highly activated in colon cancers, particularly in those metastatic to the liver. Src is regulated by phosphorylation on multiple residues including Tyr 215 within the SH2 domain, Tyr 418 (activation site) within the catalytic loop, and Tyr 529 (inhibitory site) within the carboxyl-terminal portion of the enzyme.

### Human pp60 Src Protein



**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

