

## Mouse Monoclonal Antibody to SHC1

<b>Catalogue Number</b>	sAP-1038
<b>Target Molecule</b>	<b>Name: SHC1</b> <b>Aliases: SHC; SHCA</b> <b>MW: 62.8kDa</b> <b>Entrez Gene ID: 6464</b>
<b>Description</b>	This gene encodes three main isoforms that differ in activities and subcellular location. While all three are adapter proteins in signal transduction pathways, the longest (p66Shc) may be involved in regulating life span and the effects of reactive oxygen species. The other two isoforms, p52Shc and p46Shc, link activated receptor tyrosine kinases to the Ras pathway by recruitment of the GRB2/SOS complex. p66Shc is not involved in Ras activation. Unlike the other two isoforms, p46Shc is targeted to the mitochondrial matrix. Several transcript variants encoding different isoforms have been found for this gene.
<b>Immunogen</b>	Purified recombinant fragment of human SHC1 (AA: 385-495) expressed in E. Coli.
<b>Recitative Species</b>	Human; Mouse;
<b>Clone</b>	MM2F7C7;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Am J Physiol Heart Circ Physiol. 2012 Feb 1;302(3):H724-32. ; 2. Clin Cardiol. 2010 Sep;33(9):548-52.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**