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# anti-SHC1 antibody (AA 385-495)





## Overview

Quantity:	0.1 mg
Target:	SHC1
Binding Specificity:	AA 385-495
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This SHC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

# **Product Details**

Immunogen:	Purified recombinant fragment of human SHC1 (AA: 385-495) expressed in E. coli.
Clone:	2F7C7
Isotype:	lgG1
Purification:	purified

# Target Details

Target:	SHC1
Alternative Name:	SHC1 (SHC1 Products)
Background:	Description: 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

# **Target Details**

(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.		
Aliases: SHC, SHCA		

Molecular Weight: 62.8 kDa

Gene ID: 6464

HGNC: 6464

Pathways: RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, ER-Nucleus Signaling, Signaling Events mediated by VEGFR1

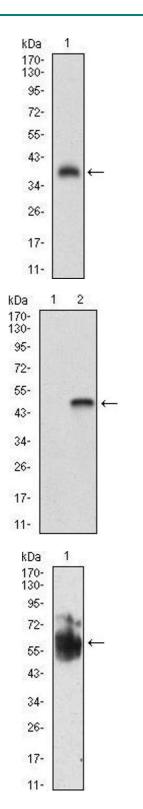
and VEGFR2

# **Application Details**

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide.
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



# **Western Blotting**

**Image 1.** Western blot analysis using SHC1 mAb against human SHC1 (AA: 385-495) recombinant protein. (Expected MW is 37.3 kDa)

### **Western Blotting**

**Image 2.** Western blot analysis using SHC1 mAb against HEK293 (1) and SHC1 (AA: 385-495)-hlgGFc transfected HEK293 (2) cell lysate.

# **Western Blotting**

Image 3. Western blot analysis using SHC1 mouse mAb against NIH/3T3 cell lysate.

Please check the product details page for more images. Overall 6 images are available for ABIN5542463.