

## Datasheet: MCA6401

**BATCH NUMBER 100006597**

<b>Description:</b>	MOUSE ANTI HUMAN SHC1 p66
<b>Specificity:</b>	SHC1 p66
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	K02/12E8
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	0.1 mg

## Product Details

**Applications**

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	<b>Yes</b>	<b>No</b>	<b>Not Determined</b>	<b>Suggested Dilution</b>
Immunoprecipitation	▪			2.5 µg
Western Blotting	▪			1/500 - 1/1000

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

**Target Species**

Human

**Species Cross Reactivity**

Reacts with: Mouse, Rat

**N.B.** Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.

**Product Form**

Purified IgG - liquid

**Preparation**

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

**Buffer Solution**

Phosphate buffered saline

**Preservative**0.09% Sodium Azide (NaN<sub>3</sub>)

## Stabilisers

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### Approx. Protein Concentrations

IgG concentration 1.0 mg/ml

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### Immunogen

*E. coli*-derived recombinant protein, aa 1-110 of human SHC1 p66

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### External Database Links

#### UniProt:

[P29353](#)

[Related reagents](#)

#### Entrez Gene:

[6464](#)

SHC1

[Related reagents](#)

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### Synonyms

SHC, SHCA

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### Specificity

**Mouse anti Human SHC1 p66 antibody** recognizes SRC homology 2 domain-containing transforming protein C1 isoform p66, also known as SHC-transforming protein 3 isoform p66 or SHC-transforming protein A isoform p66.

SHC1 is a ubiquitously-expressed signaling adapter, linking activated growth factor receptors to signaling pathways. Importantly, EGFR signaling is mediated by phosphorylation and interactions of SHC1 protein, defining output from the EGF R pathway ([Zheng et al. 2013](#)). SHC1 exists as three functionally-distinct isoforms with molecular weights 46 kDa, 52 kDa and 66 kDa. These isoforms are encoded from the same gene, sharing a common structure and each possessing several phosphorylation sites ([Mehlitz et al. 2010](#)). SHC1 plays an oncogenic role in several cancer types ([An et al. 2016](#)). Isoforms of SHC1 may have distinct roles in disease.

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### Western Blotting

Mouse anti Human SHC1 p66 antibody detects a band of 67 kDa in HeLa cell lysates

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### Storage

This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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### Guarantee

12 months from date of despatch

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### Health And Safety Information

Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/MCA6401>  
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### Regulatory

For research purposes only

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## Related Products

### [Recommended Secondary Antibodies](#)

Goat Anti Mouse IgG (STAR77...) [HRP](#)  
Rabbit Anti Mouse IgG (STAR12...) [RPE](#)  
Goat Anti Mouse IgG (STAR70...) [FITC](#)  
Goat Anti Mouse IgG IgA IgM (STAR87...) [Alk. Phos.](#), [HRP](#)  
Rabbit Anti Mouse IgG (STAR9...) [FITC](#)  
Goat Anti Mouse IgG (STAR76...) [RPE](#)  
Rabbit Anti Mouse IgG (STAR13...) [HRP](#)  
Goat Anti Mouse IgG (H/L) (STAR117...) [Alk. Phos.](#), [DyLight®488](#), [DyLight®550](#),  
[DyLight®650](#), [DyLight®680](#), [DyLight®800](#),  
[FITC](#), [HRP](#)  
Goat Anti Mouse IgG (Fc) (STAR120...) [FITC](#), [HRP](#)

## Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://bio-rad-antibodies.com/datasheets)

'M398325:220622'

Printed on 18 Jan 2024

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