

## Datasheet: AHP1446

<b>Description:</b>	RABBIT ANTI DISC1
<b>Specificity:</b>	DISC1
<b>Format:</b>	Purified
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<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).

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1 - 2ug/ml

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse

**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

Antisera to human DISC1 were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared by affinity chromatography.

### Buffer Solution

Phosphate buffered saline

<b>Preservative Stabilisers</b>	0.02% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	An 18 amino acid peptide located near the centre of human DISC1.
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q9NRI5</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">27185</a> DISC1    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	KIAA0457
<b>RRID</b>	AB_2091034
<b>Specificity</b>	<p><b>Rabbit anti DISC1 antibody</b> recognizes disrupted in schizophrenia 1 (DISC1), ~93 kDa protein located in the nucleus, cytoplasm and mitochondria. The DISC1 protein is widely expressed in normal tissues. It is involved in neurite outgrowth and cortical development through its interaction with a variety of proteins including lissencephaly-1 (LIS1), NudeE-like (NUDEL) and phosphodiesterase 4B.</p> <p>In certain cases of schizophrenia the DISC1 gene has been found to be disrupted by a t(1;11) (q42.1;q14.3) translocation, and studies suggest that DISC1 could be a candidate susceptibility gene for this condition.</p> <p>Rabbit anti DISC1 antibody has been found suitable for immunocytochemistry (ICC) at a concentration of 5µg/ml.</p>
<b>Western Blotting</b>	AHP1446 detects bands of approximately 95-100kDa in SK-N-SH cell lysate.
<b>References</b>	1. Mühlhans J <i>et al.</i> (2011) The centrosomal protein pericentrin identified at the basal body complex of the connecting cilium in mouse photoreceptors. <a href="#">PLoS One. 6 (10): e26496.</a>
<b>Further Reading</b>	1. Taya, S. <i>et al.</i> (2007) DISC1 regulates the transport of the NUDEL/LIS1/14-3-3epsilon complex through kinesin-1. <a href="#">J Neurosci. 27 (1): 15-26.</a>
<b>Storage</b>	<p>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.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<b>Guarantee</b>	12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
Sheep Anti Rabbit IgG (STAR35...) [RPE](#)  
Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)  
Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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://www.bio-rad-antibodies.com/datasheets)

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