

Datasheet: AHP1446

Description:	RABBIT ANTI DISC1
Specificity:	DISC1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	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.

	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

Preservative Stabilisers	0.02% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	An 18 amino acid peptide located near the centre of human DISC1.
External Database Links	<p>UniProt: Q9NRI5 Related reagents</p> <p>Entrez Gene: 27185 DISC1 Related reagents</p>
Synonyms	KIAA0457
RRID	AB_2091034
Specificity	<p>Rabbit anti DISC1 antibody 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 DISC1 could be a candidate susceptibility gene for this condition (Wang et al. 2018).</p> <p>Rabbit anti DISC1 antibody is suitable for immunocytochemistry (ICC) at a concentration of 5µg/ml.</p>
Western Blotting	AHP1446 detects bands of approximately 95-100kDa in SK-N-SH cell lysate.
References	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. PLoS One. 6 (10): e26496.
Further Reading	1. Taya, S. <i>et al.</i> (2007) DISC1 regulates the transport of the NUDEL/LIS1/14-3-3epsilon complex through kinesin-1. J Neurosci. 27 (1): 15-26.
Storage	<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>
Guarantee	12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/AHP1446>
10040

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [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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