



## Anti-DISC1 (center region) polyclonal antibody (CPBT-66608RD)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

#### Product Overview

This product recognises disrupted in schizophrenia 1 (DISC1), 93kD 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. 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. This product has been found suitable for immunocytochemistry (ICC) at a concentration of 5ug/ml. Western Blotting detects bands of approximately 95-100kDa in SK-N-SH cell lysate.

<b>Specificity</b>	DISC1
<b>Immunogen</b>	An 18 amino acid peptide located near the centre of human DISC1.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-Fr; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	100 µg
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DISC1 disrupted in schizophrenia 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DISC1
<b>Synonyms</b>	DISC1; disrupted in schizophrenia 1; SCZD9; C1orf136; disrupted in schizophrenia 1 protein;
<b>Entrez Gene ID</b>	<a href="#">27185</a>
<b>Protein Refseq</b>	<a href="#">NP_001012975</a>
<b>UniProt ID</b>	Q9NRI5
<b>Chromosome Location</b>	1q42.1
<b>Function</b>	protein binding;

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