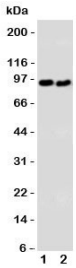
DISC1 Antibody (R31131)

Catalog No.	Formulation	Size
R31131	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9NRI5
Applications	Western blot: 0.5-1ug/ml
Limitations	This DISC1 antibody is available for research use only.



Western blot testing of DISC1 antibody and Lane 1: U87; 2: SHG-44 cell lysate.
Expected/observed molecular weight: ~94kDa.

Description

Disrupted in Schizophrenia 1 is a protein that is encoded by the DISC1 gene in humans. Ma et al.(2002) determined that the mouse gene maps to chromosome 8 in a region with homology of synteny to human chromosome 1q42. Ozeki et al.(2003) demonstrated that rodent Disc1 expression displayed pronounced developmental regulation, with the highest levels in late embryonic life during development of the cerebral cortex. Millar et al.(2005) showed that the protein interacts with the UCR2 domain of phosphodiesterase-4B, implicated in susceptibility to schizophrenia, and that elevation of cellular cAMP leads to dissociation of PDE4B from DISC1 and in increase in PDE4B activity.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the DISC1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Disrupted in Schizophrenia 1 (EESHHSESRARQCGLDSR) was used as the immunogen for this DISC1 antibody.

Storage

After reconstitution, the DISC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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