

Datasheet for ABIN7150092
anti-DISC1 antibody (AA 99-325)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	DISC1
Binding Specificity:	AA 99-325
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DISC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Disrupted in schizophrenia 1 protein (99-325AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DISC1
Alternative Name:	DISC1 (DISC1 Products)
Background:	Background: Involved in the regulation of multiple aspects of embryonic and adult neurogenesis. Required for neural progenitor proliferation in the ventricular/subventricular zone

Target Details

during embryonic brain development and in the adult dentate gyrus of the hippocampus. Participates in the Wnt-mediated neural progenitor proliferation as a positive regulator by modulating GSK3B activity and CTNNB1 abundance. Plays a role as a modulator of the AKT-mTOR signaling pathway controlling the tempo of the process of newborn neurons integration during adult neurogenesis, including neuron positioning, dendritic development and synapse formation. Inhibits the activation of AKT-mTOR signaling upon interaction with CCDC88A. Regulates the migration of early-born granule cell precursors toward the dentate gyrus during the hippocampal development. Plays a role, together with PCNT, in the microtubule network formation.

Aliases: C1orf136 antibody, DISC1 antibody, DISC1_HUMAN antibody, Disrupted in schizophrenia 1 antibody, Disrupted in schizophrenia 1 protein antibody, KIAA0457 antibody, RP4-730B13.1 antibody, SCZD9 antibody

UniProt: [Q9NRI5](#)

Pathways: [Regulation of Cell Size](#)

Application Details

Application Notes: Recommended dilution: WB:1:2000-1:10000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

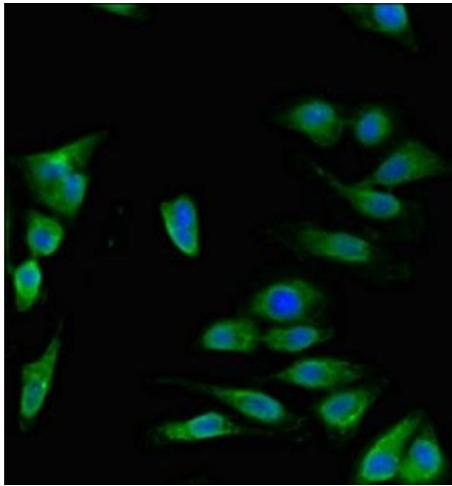
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

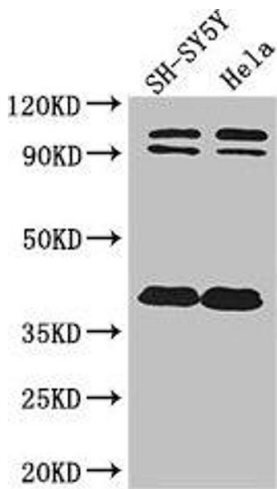
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescent analysis of HeLa cells using ABIN7150092 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Western Blotting

Image 2. Western Blot Positive WB detected in: SH-SY5Y whole cell lysate, HeLa whole cell lysate All lanes: DISC1 antibody at 2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 94, 92, 74, 39, 83, 63, 61, 76, 73, 38, 22 kDa Observed band size: 94, 92, 38 kDa