

DISC1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253757

Unit: 0.1 mg

Description:

Disrupted in schizophrenia 1 (DISC1) is a candidate gene for susceptibility to schizophrenia. It was discovered through chromosomal analysis of a large Scottish family whose members exhibited schizophrenia and related psychiatric disorders. Through yeast two-hybrid screening, it was discovered that DISC1 interacts with many members of the centrosome and cytoskeletal system including MAP1A and Nudel. More recently, DISC1 has been found to regulate the transport of a complex containing Nudel, the lissencephaly-1 (LIS1) protein, and 14-3-3epsilon from neuronal cell bodies to the axons by the action of the microtubule-dependent directed motor protein kinesin-1, also known as KIF5A. Decreased expression of DISC1 in neurons caused an accelerated rate of neuronal integration, resulting in aberrant morphological development, suggesting that DISC1 plays a role in dendritic development and synapse formation. DISC1 has at least four known isoforms.

Isotype: Rabbit Ig

Applications: E, ICC, IF, WB

Species Reactivity: H, M

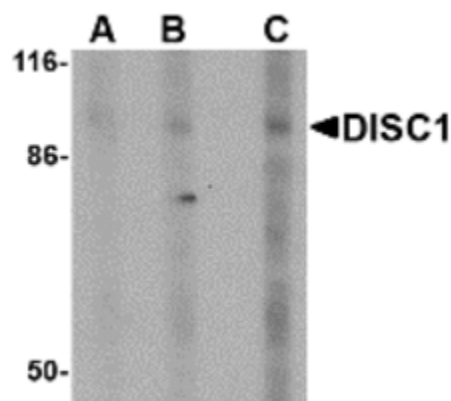
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: DISC1 ; Disrupted in schizophrenia 1

Accession No.: NP_061132

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DISC1.

Application Notes: E: 1:500-1:1,000; WB: 1:500-1:1,000; ICC: 1:100-1:500; IF: 1:50-1:100



Western blot analysis of DISC1 in SK-N-SH cell lysate with DISC1 Antibody (Cat. No. 253757) at (A) 0.5, (B) 1 and (C) 2 ug/mL.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.