Goat polyclonal antibody to DISC1

Catalog Number: NB100-57072

Background: This gene encodes a protein with multiple coiled coil motifs which is located in the nucleus, cytoplasm and mitochondria. The protein is involved in neurite outgrowth and cortical development through its interaction with other proteins. This gene is disrupted in a t(1;11)(q42.1;q14.3) translocation which segregates with schizophrenia and related psychiatric disorders in a large Scottish family. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Alternate Names: anti-DISC1 antibody, anti-DISC1 antibody, anti-DISC1 antibody, anti-disrupted in schizophrenia 1 antibody, anti-RP4-730B13.1 antibody, anti-KIAA0457 antibody, anti-DISC1 antibody, anti-disrupted in schizophrenia 1 antibody, anti-RP4-730B13.1 antibody, anti-KIAA0457 antibody

Host: Goat

Immunogen: Synthetic peptide, C-HSEDKRKTPLKVLE, representing the internal region of the human protein according to NP_001012975.1; NP_061132.2

Isotype: IgG

Epitope: HSEDKRKTPLKVLE

Species Reactivity: Human. Other species not tested.

Homology: Human

Uses: Peptide ELISA: antibody detection limit dilution 1:128,000. Western Blot: Approx 100kDa band observed in Human Brain (Cerebellum, Hippocampus and Frontal Cortex) lysates (calculated MW of 93.6kDa according to NP_001012975.1). Recommended concentration: 0.1-0.3ug/ml.

* Other applications have not been tested.

Dilutions: Suggested working dilutions *

ELISA

Western Blot

* Investigator should determine optimal working dilutions.

Positive Controls: Human Brain (Hippocampus) lysate

Packaging: 0.1 mg of antigen affinity purified goat antisera

Concentration: 0.5 mg/ml

Buffer: Tris-saline [ pH7.3] with 0.5% BSA

Preservative: 0.02% sodium azide

Storage: Aliquot and store at -20 degrees C. Minimize freezing and thawing.

Notes: This antibody is expected to recognise isoforms L (NP_061132.2) and Lv (NP_001012975.1) only.

Limitations: This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.

Gene Id: 27185

Image(s)

NB100-57072 (0.1µg/ml) staining of Human Brain (Hippocampus) lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.