

For Research Use Only

DISC1-long-specific Polyclonal antibody

Catalog Number: 15500-1-AP

2 Publications



Basic Information

Catalog Number:

15500-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_018662

GeneID (NCBI):

27185

UNIPROT ID:

Q9NRI5

Full Name:

disrupted in schizophrenia 1

Calculated MW:

95 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:20-1:200

Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

mouse

Positive Controls:

IHC : human brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DISC1, also named as KIAA0457, is identified as the sole gene whose ORF is truncated and cosegregates with major mental illnesses in a Scottish family. DISC1 may be implicated in psychiatric conditions in other populations than the unique Scottish family. It is involved in the regulation of multiple aspects of embryonic and adult neurogenesis. DISC1 is required for neural progenitor proliferation in the ventral/subventral zone during embryonic brain development and in the adult dentate gyrus of the hippocampus. It plays a role, together with PCNT, in the microtubule network formation. In WB, DISC1 has some MW such as 34kd(PMID:18620078);75-85kd and 95-100kd(PMID:15657124). DISC1 isoforms have distinct developmental patterns of expression. This antibody is against C-terminal of DISC1, binding full length protein specifically.

Notable Publications

Author	Pubmed ID	Journal	Application
Anna Sancho-Balsells	32477064	Front Cell Neurosci	WB
Laura López-Molina	38552722	Neurobiol Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

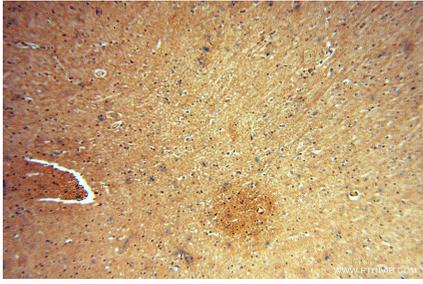
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

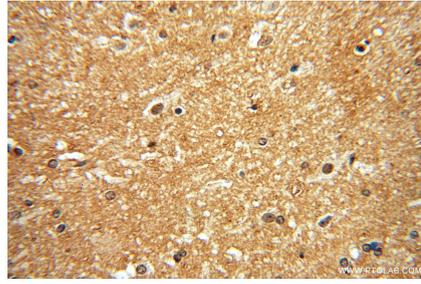
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human brain using 15500-1-AP (DISC1-long-specific antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 15500-1-AP (DISC1-long-specific antibody) at dilution of 1:50 (under 40x lens).