

# DISC1-long-specific Polyclonal antibody

Catalog Number: 15500-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 15500-1-AP	<b>GenBank Accession Number:</b> NM_018662	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop and 400 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 27185	<b>Recommended Dilutions:</b> IHC 1:20-1:200 IF 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> disrupted in schizophrenia 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 95 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>IHC :</b> human brain tissue,
<b>Species Specificity:</b> human, mouse	<b>IF :</b> MDCK cells,
<b>Cited Species:</b> mouse	

**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

## Storage

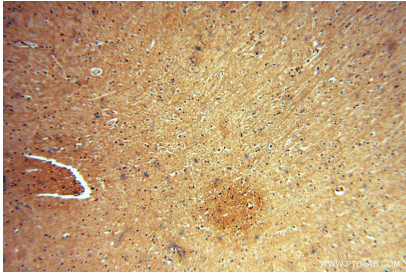
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

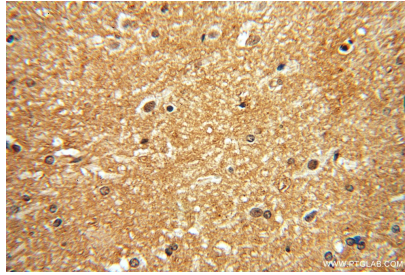
For technical support and original validation data for this product please contact:  
 T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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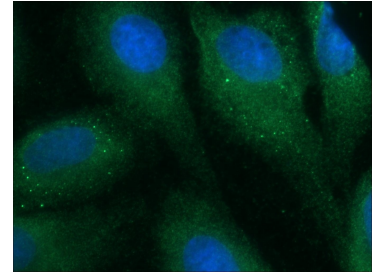
## Selected Validation Data



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).



Immunofluorescent analysis of MDCK cells using 15500-1-AP (DISC1-long-specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).