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PRODUCT DATASHEET

Anti-DISC1 Antibody

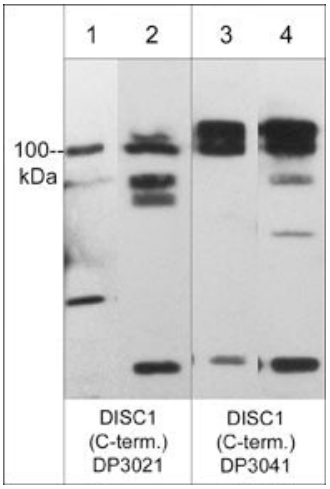
phosphosolutions ANTIBODIES THAT WORK

Product Details

Available Variants	100 µL (SKU:DP3041)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	DISC1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, WB
Dilution Ranges	WB: 1:1000
Species Reactivity	Mouse, Rat
Immunogen	DISC1 synthetic peptide (coupled to KLH) containing amino acid residues from the C-terminus of mouse DISC1. This peptide sequence is well conserved in rat DISC1, but has 7 amino acid differences with the conserved site in human DISC1.
Specificity	The antibody detects a 100 kDa* protein corresponding to the molecular mass of DISC1 on SDS-PAGE immunoblots of mouse brain and rat PC12 cells.
Molecular Weight	100
Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	Q811T9 UniProt Summary: Involved in the regulation of multiple aspects of embryonic

	and adult neurogenesis. Required for neural progenitor proliferation in the ventrical/subventrical zone 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. Inhibits ATF4 transcription factor activity in neurons by disrupting ATF4 dimerization and DNA-binding. Plays a role, together with PCNT, in the microtubule network formation.
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
NCBI Gene ID	244667

Product Images



Western blot of DISC1 in mouse brain (lanes 1 & 3) and rat PC12 cells (lanes 2 & 4). The blots were probed with DP3021 anti-DISC1 (a.a. 740-753) (lanes 1 & 2) and DP3041 anti-DISC1 (a.a. 740-753) (lanes 3 & 4).



Created on 21. November 2026 | All information without guarantee