

Anti-DISC1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA2023-Fluoro488

About DISC1

DISC1 (Disrupted in Schizophrenia 1), is a protein that is encoded by the DISC1 gene in humans. Ma et al. (2002) determined that the mouse Disc1 gene maps to chromosome 8 in a region with homology of synteny to human chromosome 1q42. Ozeki et al. (2003) demonstrated that rodent Disc1 expression displayed pronounced developmental regulation, with the highest levels in late embryonic life during development of the cerebral cortex. Millar et al. (2005) showed that DISC1 interacts with the UCR2 domain of phosphodiesterase-4B, implicated in susceptibility to schizophrenia, and that elevation of cellular cAMP leads to dissociation of PDE4B from DISC1 and in increase in PDE4B activity.

Overview

Product Name	Anti-DISC1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9NRI5

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human DISC1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

2 Publications Citing This Product

1. PubMed ID: 10.4049/jimmunol.1600180, Dynein Separately Partners with NDE1 and Dynactin To Orchestrate T Cell Focused Secretion
2. PubMed ID: 32482796, Maskalenko N, Nath S, Ramakrishnan A, Anikeeva N, Sykulev Y, Poenie M. The DISC1-Girdin complex - a missing link in signaling to the T cell cytoskeleton. J Cell Sci. 2020 Jul 6; 133(13):jcs242875. doi:10.1242/jcs.242875. PMID:32482796; PMCID:PMC7358132.

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