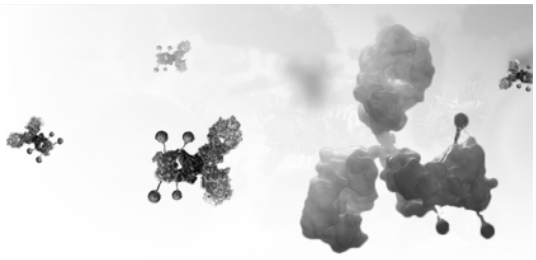

Anti-RND1 monoclonal antibody, clone 2D4 (DCABH-838)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to RND1
Antigen Description	Lacks intrinsic GTPase activity. Has a low affinity for GDP, and constitutively binds GTP. Controls rearrangements of the actin cytoskeleton. Induces the Rac-dependent neuritic process formation in part by disruption of the cortical actin filaments. Causes the formation of many neuritic processes from the cell body with disruption of the cortical actin filaments.
Immunogen	Recombinant full length Human RND1 produced in HEK293T cells (NP_055285).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2D4
Purification	This antibody is purified from Mouse ascites fluid by affinity chromatography.
Conjugate	Unconjugated
Applications	WB, Flow Cyt, ICC/IF
Positive Control	HEK293T cell lysate transfected with pCMV6-ENTRY RND1 cDNA; HEK293T cells transfected with pCMV6-ENTRY RND1 overexpress plasmid; COS7 cells transiently transfected by pCMV6-ENTRY RND1; HeLa cells.
Format	Liquid
Size	100 µl

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Buffer	pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA
Preservative	0.02% Sodium Azide
Storage	store at -20°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	RND1 Rho family GTPase 1 [Homo sapiens]
Official Symbol	RND1
Synonyms	RND1; Rho family GTPase 1; rho-related GTP-binding protein Rho6; ARHS; ras homolog gene family; member S; Rho6; RHOS; GTP-binding protein; ras homolog gene family, member S; RHO6; FLJ42294;
Entrez Gene ID	27289
Protein Refseq	NP_055285
UniProt ID	Q92730
Chromosome Location	12q12
Pathway	Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Developmental Biology, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem.
Function	GTP binding; GTPase activity; nucleotide binding; protein binding; receptor binding;

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