G-Biosciences Image not found or type unknown

Immunotag™ RND1 Polyclonal Antibody

Antibody Specification

Catalog No.	ITN1226
Product Description	Immunotag™ RND1 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	RND1
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from human protein . at AA range: 140-220
Specificity	RND1 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	RND1 RHO6
Accession No.	Q92730 Q8BLR7
Description	Rho family GTPase 1(RND1) Homo sapiens This gene encodes a protein that belongs to the Rho GTPase family. Members of this family regulate the organization of the actin cytoskeleton in response to extracellular growth factors. A similar protein in rat interacts with a microtubule regulator to control axon extension. [provided by RefSeq, Apr 2014],
Cell Pathway/ Category	Axon guidance,

Antibody Specification

Protein Expression	Brain,
Subcellular Localization	intracellular,cytosol,cytoskeleton,plasma membrane,adherens junction,
Protein Function	function: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.,similarity:Belongs to the small GTPase superfamily. Rho family.,subunit:Binds GRB7 and PLXNB1. Interacts with UBXD5.,tissue specificity:Mostly expressed in brain and liver.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.