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RND1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2813a

Specification

RND1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q92730

RND1 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 27289

Other Names
Rho-related GTP-binding protein Rho6, Rho family GTPase 1, Rnd1, RND1, RHO6

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2813a was selected from the N-term region of human RND1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RND1 Antibody (N-term) Blocking Peptide - Protein Information

Name RND1

Synonyms RHO6

RND1 Antibody (N-term) Blocking Peptide - Background

Members of the Rho GTPase family, such as RND1, regulate the organization of the actin cytoskeleton in response to extracellular growth factors.

RND1 Antibody (N-term) Blocking Peptide - References

Li,Y.H., J. Biol. Chem. 284 (1), 363-371 (2009)Tong,Y., J. Biol. Chem. 282 (51), 37215-37224 (2007)Harada,A., J. Biol. Chem. 280 (18), 18418-18424 (2005)

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.

Cellular Location
Cell membrane; Lipid-anchor; Cytoplasmic side. Cytoplasm, cytoskeleton

Tissue Location
Mostly expressed in brain and liver.

RND1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides