

**RND1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2813a****Specification**

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**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](/products/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**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](#)

**RND1 Antibody (N-term) Blocking Peptide - Images****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)