

For Research Use Only

# RND3 Polyclonal antibody

Catalog Number: 12534-1-AP

Featured Product

6 Publications



## Basic Information

**Catalog Number:**

12534-1-AP

**Size:**

280 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3235

**GenBank Accession Number:**

BC012513

**GeneID (NCBI):**

390

**UNIPROT ID:**

P61587

**Full Name:**

Rho family GTPase 3

**Calculated MW:**

244 aa, 27 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

ELISA

**Cited Applications:**

WB, IP, IF

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, RAT

## Background Information

Rnd3, also known as RhoE, belongs to the Rnd subclass of the Rho family of small guanosine triphosphate (GTP)-binding proteins. Rnd proteins are unique due to their inability to switch from a GTP-bound to GDP-bound conformation. The basic role of Rnd3 is to report as an endogenous antagonist of RhoA signaling-mediated actin cytoskeleton dynamics, which specifically contributes to cell migration and neuron polarity. Rnd3 also plays a critical role in arresting cell cycle distribution, inhibiting cell growth, and inducing apoptosis and differentiation.

## Notable Publications

| Author           | Pubmed ID | Journal          | Application |
|------------------|-----------|------------------|-------------|
| Cui Zhai         | 30009823  | Life Sci         | WB          |
| Jerome W Breslin | 27048969  | J Am Heart Assoc | WB,IF       |
| Zehua Zhu        | 24525741  | Cancer Res       | WB,IP       |

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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## Selected Validation Data