

For Research Use Only

# RND3 Polyclonal antibody

Catalog Number: 12534-1-AP

Featured Product

6 Publications



## Basic Information

<b>Catalog Number:</b> 12534-1-AP	<b>GenBank Accession Number:</b> BC012513	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 280 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 390	
<b>Source:</b> Rabbit	<b>Full Name:</b> Rho family GTPase 3	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 244 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG3235		

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IF, IP, WB

**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

\*\*\* 20ul sizes contain 0.1%BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data