

For Research Use Only

# RND3 Monoclonal antibody

Catalog Number: 66228-1-Ig

Featured Product

3 Publications



## Basic Information

<b>Catalog Number:</b> 66228-1-Ig	<b>GenBank Accession Number:</b> BC012513	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul, Concentration: 1373 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 390	<b>CloneNo.:</b> 3H8F9
<b>Source:</b> Mouse	<b>Full Name:</b> Rho family GTPase 3	<b>Recommended Dilutions:</b> WB 1:1000-1:4000
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 244 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG18839	<b>Observed MW:</b> 29 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB: fetal human brain tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, pig	
<b>Cited Species:</b> human	

## 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
Yetao Xu	30195759	Mol Ther Nucleic Acids	WB
Zhongming Shao	32705255	Int J Mol Med	WB
Li Xia Yuan	35987078	Virology	WB

## Storage

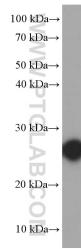
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



fetal human brain tissue were subjected to SDS PAGE followed by western blot with 66228-1-Ig (RND3 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.