

For Research Use Only

# ARHGEF16 Polyclonal antibody

Catalog Number: 10153-2-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 10153-2-AP	<b>GenBank Accession Number:</b> BC002681	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 27237	
<b>Source:</b> Rabbit	<b>Full Name:</b> Rho guanine exchange factor (GEF) 16	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 80 kDa	
<b>Immunogen Catalog Number:</b> AG0205	<b>Observed MW:</b> 80 kDa	

## Applications

**Tested Applications:**  
ELISA

**Cited Applications:**  
IP, WB

**Species Specificity:**  
human, mouse

**Cited Species:**  
human

## Background Information

Small GTPases of the Rho family are critical regulators of various cellular functions including actin cytoskeleton organization, activation of kinase cascades, mitogenesis, transcriptional activation and stimulation of DNA synthesis. Rho proteins cycle between a biologically active GTP-bound state and an inactive GDP-bound state. Rho guanine nucleotide exchange factor (GEF) has a crucial role in activating small GTPase by exchange GDP for GTP. ARGEF16 is one of the multiple GEF members. Although the specific function of this protein is not known yet, it is thought to be involved in protein-protein and protein-lipid interactions.

## Notable Publications

Author	Pubmed ID	Journal	Application
Juyeon Lee	25063526	Biochim Biophys Acta	IP,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)  
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## Selected Validation Data