

For Research Use Only

# RabGEF1 Polyclonal antibody

Catalog Number: 12735-1-AP

Featured Product

5 Publications



## Basic Information

<b>Catalog Number:</b> 12735-1-AP	<b>GenBank Accession Number:</b> BC015330	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 400 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 27342	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> RAB guanine nucleotide exchange factor (GEF) 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 57 kDa	
<b>Immunogen Catalog Number:</b> AG3442	<b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : PC-3 cells, IHC : human endometrial cancer tissue, IF : PC-3 cells,
<b>Cited Applications:</b> IF, WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse, rat	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

RabGEF1 (Rabex-5) is a guanine nucleotide exchange factor (GEF) for the endocytic pathway regulator Rab5. RabGEF1 contains a Vps9 domain, an A20-like zinc finger (ZnF) domain, and a coiled coil domain (PMID: 17341663). RabGEF1 is involved in endocytic membrane fusion and membrane trafficking of recycling endosomes. It is also implicated in tumorigenesis and in the development of certain human cancers (PMID: 25427001).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yangfei Yi	36178080	Orthop Surg	WB
Haitao Fan	33166495	Exp Mol Pathol	WB
Ermes Candiello	27411398	Sci Rep	IF

## Storage

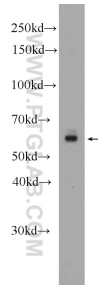
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

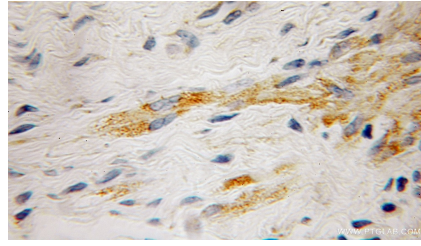
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

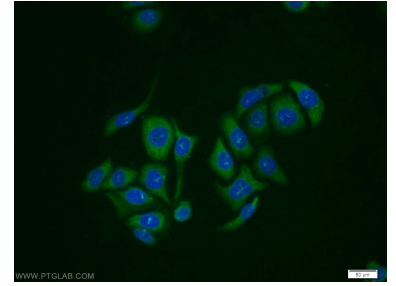
## Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 12735-1-AP (RABGEF1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 12735-1-AP (RABGEF1 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of PC-3 cells using 12735-1-AP (RabGEF1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).