For Research Use Only

RabGEF1 Polyclonal antibody

Catalog Number:12735-1-AP Featured Product 9 Publications

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Basic Information

Catalog Number:
12735-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG3442

GenBank Accession Number:
BC015330

GeneID (NCBI):
27342

UNIPROT ID:
Q9UJ41

Full Name:
RAB guanine nucleotide exchange factor (GEF) 1

Calculated MW:
57 kDa

Observed MW:
60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:20-1:200
IF/ICC: 1:10-1:100

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, rat, zebrafish

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

Positive Controls:

WB : PC-3 cells,

IHC : human endometrial cancer tissue,

IF/ICC : PC-3 cells,

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

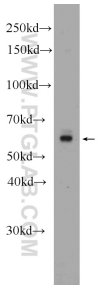
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

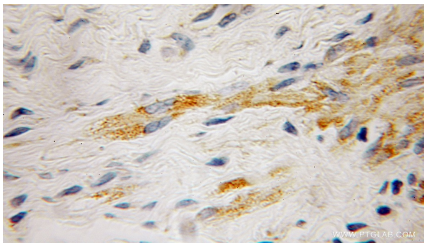
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

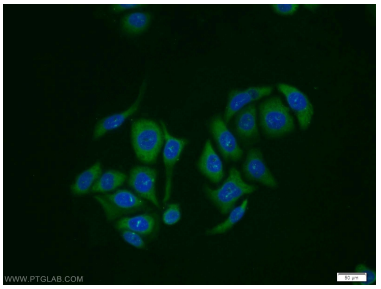
Selected Validation Data



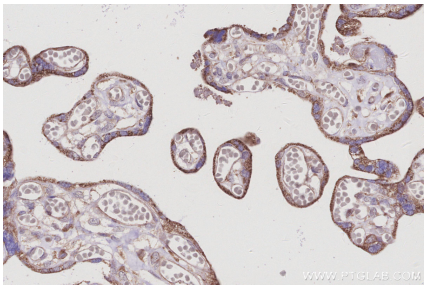
PC-3 cells were subjected to SDS PAGE followed by western blot with 12735-1-AP (RABGEF1 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



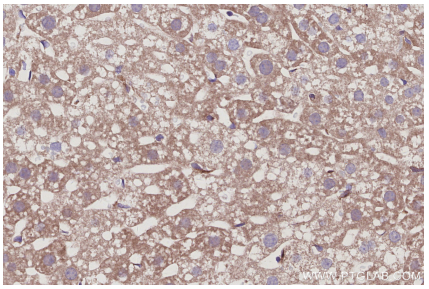
Immunohistochemical analysis of paraffin-embedded human endometrial cancer using 12735-1-AP (RABGEF1 antibody) at dilution of 1:100 (under 10x lens).



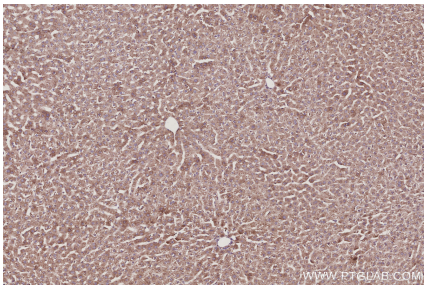
Immunofluorescent analysis of PC-3 cells using 12735-1-AP (RabGEF1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



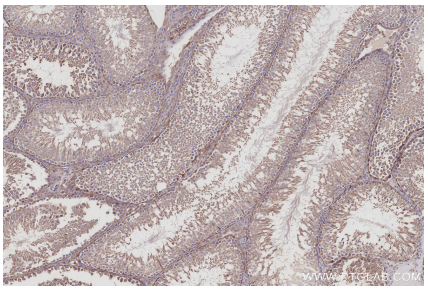
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 12735-1-AP (RabGEF1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 12735-1-AP (RabGEF1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 12735-1-AP (RabGEF1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 12735-1-AP (RabGEF1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).