

## SCFD1 Polyclonal antibody

Catalog Number: 12569-1-AP

Featured Product

5 Publications

## Basic Information

## Catalog Number:

12569-1-AP

## Size:

150ul, Concentration: 500 µg/ml by Nanodrop and 373 µg/ml by Bradford method using BSA as the standard;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3234

## GenBank Accession Number:

BC017734

## GeneID (NCBI):

23256

## Full Name:

sec1 family domain containing 1

## Calculated MW:

642 aa, 72 kDa

## Observed MW:

66-72 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:50-1:500

IF 1:50-1:500

## Applications

## Tested Applications:

IF, IHC, IP, WB, ELISA

## Cited Applications:

IP, WB

## Species Specificity:

human, mouse, rat

## Cited Species:

Bacteria, human

## Positive Controls:

WB: A549 cells, HEK-293T cells, human kidney tissue, human liver tissue, NIH/3T3 cells

IP: HeLa cells,

IHC: human endometrial cancer tissue,

IF: HeLa cells,

**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

SCFD1, also named as C14orf163, KIAA0917, STXBP1L2, Sly1p and SLY1, belongs to the STXBP/unc-18/SEC1 family. It is a component of the syntaxin-5 SNARE complex which regulates the early secretory pathway of eukaryotic cells at the level of endoplasmic reticulum (ER) to Golgi transport.(PMID:21242315) SCFD1 plays a role in SNARE-pin assembly and Golgi-to-ER retrograde transport via its interaction with COG4. It is involved in vesicular transport between the endoplasmic reticulum and the Golgi.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xue Shen	30408277	J Appl Microbiol	WB
Guizhen Wang	32687939	Microb Pathog	WB
Hong Huang	35465820	Autophagy	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

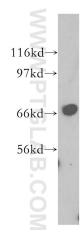
For technical support and original validation data for this product please contact:

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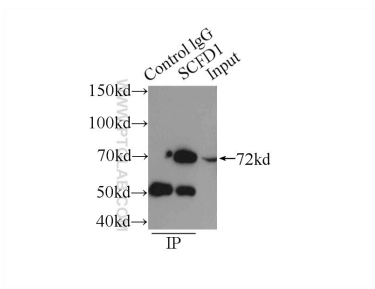
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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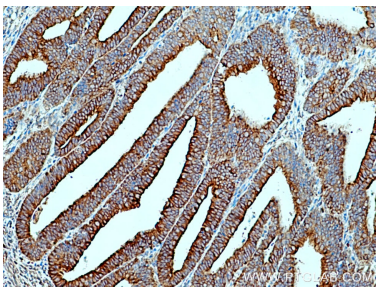
Selected Validation Data



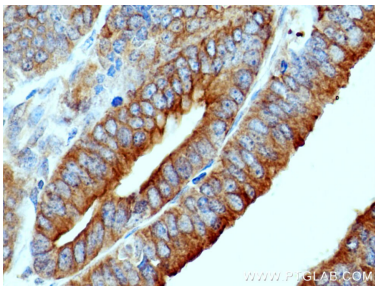
A549 cells were subjected to SDS PAGE followed by western blot with 12569-1-AP (SCFD1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



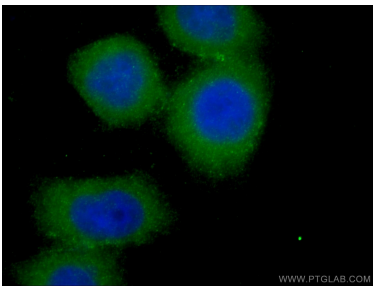
IP Result of anti-SCFD1 (IP:12569-1-AP, 3ug; Detection:12569-1-AP 1:500) with HeLa cells lysate 2150ug.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 12569-1-AP (SCFD1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 12569-1-AP (SCFD1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12569-1-AP (SCFD1 antibody) at dilution of 1:50 and CoraLite488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).