

For Research Use Only

# SEC5/EXOC2 Polyclonal antibody

Catalog Number: 12751-1-AP

Featured Product

17 Publications



## Basic Information

### Catalog Number:

12751-1-AP

### Size:

150ul, Concentration: 260 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3147

### GenBank Accession Number:

BC016918

### GeneID (NCBI):

55770

### Full Name:

exocyst complex component 2

### Calculated MW:

924 aa, 104 kDa

### Observed MW:

95-100 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:500-1:1000

for WB

IHC 1:20-1:200

IF 1:50-1:500

## Applications

### Tested Applications:

IF, IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB: mouse brain tissue, human brain tissue, human ileum tissue

IP: mouse brain tissue,

IHC: human breast 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

EXOC2 (exocyst complex component 2), also known as SEC5 and SEC5L1, is a component of the exocyst complex, and is required to mediate RalB-dependent survival signals in transformed cells. The exocyst complex, composed of eight evolutionarily conserved subunits (SEC3, SEC5, SEC6, SEC8, SEC10, SEC15, EXO70, and EXO84), is involved in tethering post-Golgi secretory vesicles to specific plasma membrane domains. The gene of EXOC2 maps to chromosome 6p25.3, and encodes a 924-amino acid protein with an experimentally determined molecular mass of 95-100 kDa. EXOC2 mRNA is widely expressed with highest levels in brain and placenta.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sánchez-Ruiz Jesús J	21810610	J Immunol	WB
Hiroki Takeuchi	26617273	Cell Microbiol	WB
Maeran Uhm	28325821	Sci Signal	WB, CoIP

## 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)

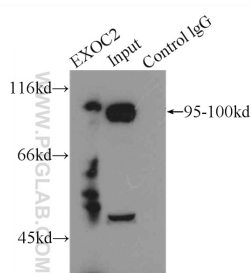
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

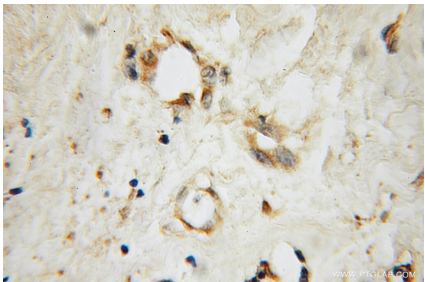
## Selected Validation Data



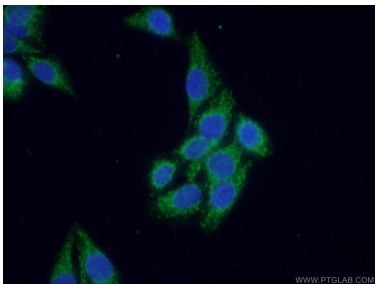
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12751-1-AP (SEC5/EXOC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-SEC5/EXOC2 (IP:12751-1-AP, 5ug; Detection:12751-1-AP 1:500) with mouse brain tissue lysate 3000ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 12751-1-AP (SEC5/EXOC2 antibody) at dilution of 1:100 (under 10x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 12751-1-AP (SEC5/EXOC2 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).