

For Research Use Only

EXOC5 Polyclonal antibody

Catalog Number: 17593-1-AP

Featured Product

13 Publications



Basic Information

Catalog Number:

17593-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11524

GenBank Accession Number:

BC041126

GeneID (NCBI):

10640

UNIPROT ID:

O00471

Full Name:

exocyst complex component 5

Calculated MW:

708 aa, 82 kDa

Observed MW:

77 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

IF/ICC 1:10-1:100

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

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

Positive Controls:

WB : mouse brain tissue, human adrenal gland tissue

IP : mouse brain tissue,

IHC : human testis tissue, human brain tissue

IF/ICC : HepG2 cells,

Background Information

EXOC5 (SEC10), a component of the exocyst complex, is a 77-kDa protein with a broad tissue distribution (PubMed: 9119050). The exocyst complex, composed of eight evolutionarily conserved subunits (SEC3, SEC5, SEC6, SEC8, SEC10, SEC15, EXO70, and EXO84), is essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. The complex is also essential for the biogenesis of epithelial cell surface polarity.

Notable Publications

Author	Pubmed ID	Journal	Application
Brent A Fujimoto	31593505	Am J Physiol Endocrinol Metab	WB,IF
Ying Mao	31142545	Development	WB
I M Gonzalez	24856041	Placenta	WB,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

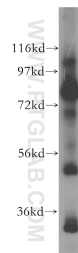
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

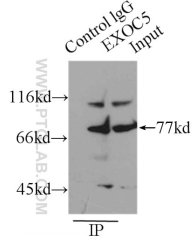
E: proteintech@ptglab.com
W: ptglab.com

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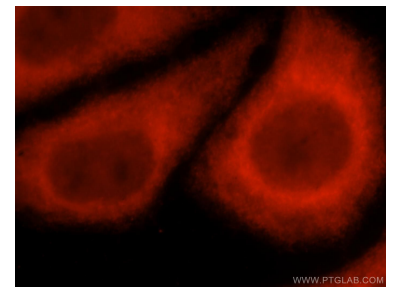
Selected Validation Data



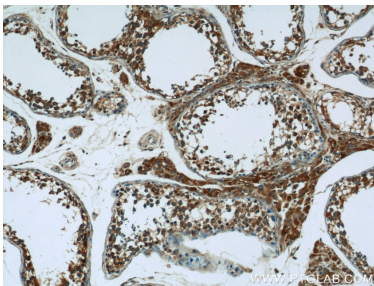
mouse brain tissue were subjected to SDS PAGE followed by western blot with 17593-1-AP (EXOC5 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



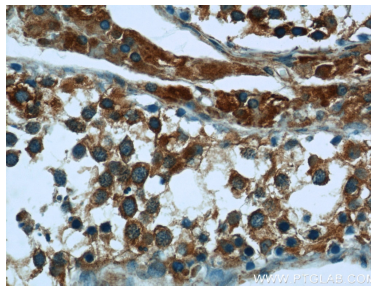
IP result of anti-EXOC5 (IP:17593-1-AP, 3ug; Detection:17593-1-AP 1:500) with mouse brain tissue lysate 4000ug.



Immunofluorescent analysis of HepG2 cells, using EXOC5 antibody 17593-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17593-1-AP (EXOC5 antibody at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 17593-1-AP (EXOC5 antibody at dilution of 1:50 (under 40x lens).