

EXOC1 Polyclonal antibody

Catalog Number: 11690-1-AP

Featured Product

12 Publications

Basic Information

Catalog Number:

11690-1-AP

Size:

150ul, Concentration: 450 µg/ml by Nanodrop and 233 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2303

GenBank Accession Number:

BC020650

GeneID (NCBI):

55763

Full Name:

exocyst complex component 1

Calculated MW:

894 aa, 102 kDa

Observed MW:

102 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IF, IHC, IP, WB, ELISA

Cited Applications:

IF, IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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: rat brain tissue, human brain tissue, mouse brain tissue

IP: mouse brain tissue,

IHC: human gliomas tissue,

Background Information

EXOC1 (exocyst complex component 1), also known as SEC3, is a component of the exocyst complex which is essential for the targeting of exocytic vesicles to specific docking sites on the plasma membrane. The exocyst complex is an octameric complex that tethers vesicles at the plasma membrane, regulates polarized exocytosis, and recruits membranes and proteins required for nanotube formation. Recently it has been reported that exocyst complex proteins are likely a key effector of Nef-mediated enhancement of nanotube formation, and possibly microvesicle secretion, which suggests a new paradigm of exocyst involvement in polarized targeting for intercellular transfer of viral proteins and viruses.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------------------------|-------------|
| Yaoyao Dai | 30328366 | Cell Cycle | WB, IF |
| Brent A Fujimoto | 31593505 | Am J Physiol Endocrinol Metab | WB, IF |
| Tanmoy Saha | 34795441 | Nat Nanotechnol | 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

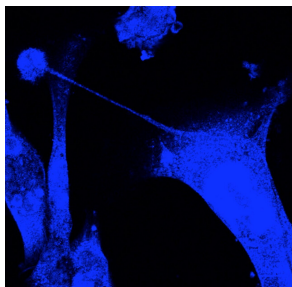
For technical support and original validation data for this product please contact:

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

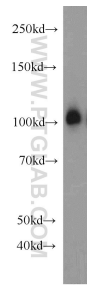
E: proteintech@ptglab.com
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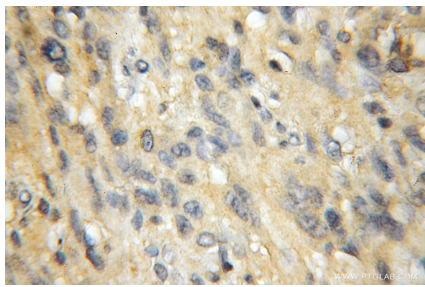
Selected Validation Data



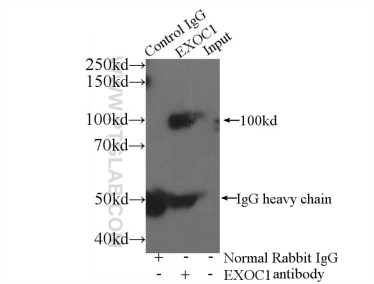
Immunostaining of exocyst protein Sec3 (11690-1-AP, blue) in MDA-MB-231 cells. The image was credited by Dr. Hae Lin Jang from Harvard Medical School.



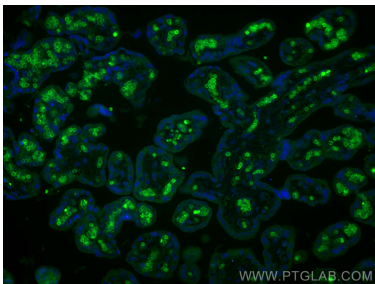
rat brain tissue were subjected to SDS PAGE followed by western blot with 11690-1-AP (EXOC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human gliomas using 11690-1-AP (EXOC1 antibody) at dilution of 1:50 (under 10x lens).



IP Result of anti-EXOC1 (IP:11690-1-AP, 3ug; Detection:11690-1-AP 1:1000) with mouse brain tissue lysate 3600ug.



Immunofluorescent analysis of (4% PFA) fixed human placenta tissue using EXOC1 antibody (11690-1-AP) at dilution of 1:200 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).