

For Research Use Only

# EXOC1 Polyclonal antibody

Catalog Number: 11690-1-AP

Featured Product

13 Publications



## Basic Information

<b>Catalog Number:</b> 11690-1-AP	<b>GenBank Accession Number:</b> BC020650	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 450 ug/ml by Nanodrop and 233 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55763	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NV70	<b>IHC 1:20-1:200</b> <b>IF-P 1:50-1:500</b> <b>IF/ICC 1:200-1:800</b>
<b>Isotype:</b> IgG	<b>Full Name:</b> exocyst complex component 1	
<b>Immunogen Catalog Number:</b> AG2303	<b>Calculated MW:</b> 894 aa, 102 kDa	
	<b>Observed MW:</b> 102 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, IF-P, IP, ELISA	<b>Positive Controls:</b> <b>WB :</b> rat brain tissue, human brain tissue, mouse brain tissue <b>IP :</b> mouse brain tissue, <b>IHC :</b> human gliomas tissue, <b>IF-P :</b> human placenta tissue, <b>IF/ICC :</b> C2C12 cells,
<b>Cited Applications:</b> WB, IF, IP	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> 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**

## 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

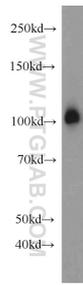
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

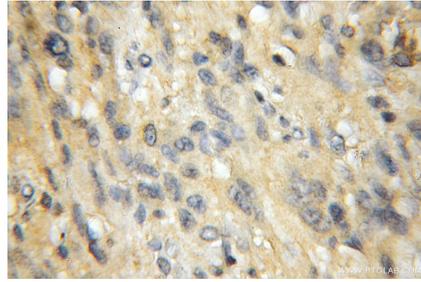
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

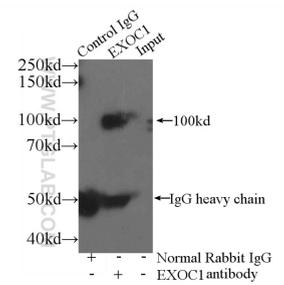
## Selected Validation Data



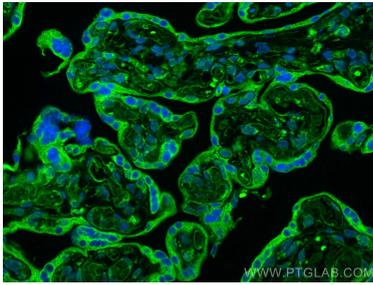
rat brain tissue were subjected to SDS PAGE followed by western blot with 11690-1-AP (EXOC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



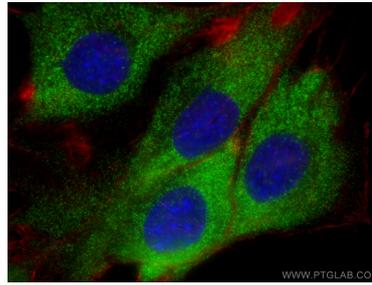
Immunohistochemical analysis of paraffin-embedded human gliomas using 11690-1-AP (EXOC1 antibody) at dilution of 1:50 (under 10x lens).



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 paraffin-embedded 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). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed C2C12 cells using EXOC1 antibody (11690-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).