

For Research Use Only

# EXOC1 Recombinant antibody

Catalog Number: 84007-5-RR



## Basic Information

<b>Catalog Number:</b> 84007-5-RR	<b>GenBank Accession Number:</b> BC020650	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 55763	<b>CloneNo.:</b> 241058D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9NV70	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800 IF-P 1:300-1:1200
<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

### Tested Applications:

WB, IHC, IF-P, ELISA

### Species Specificity:

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 : HeLa cells, HEK-293 cells, C1C12 cells, rat brain tissue

IHC : human placenta tissue,

IF-P : human placenta 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.

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

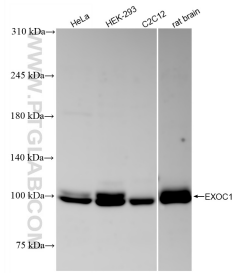
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

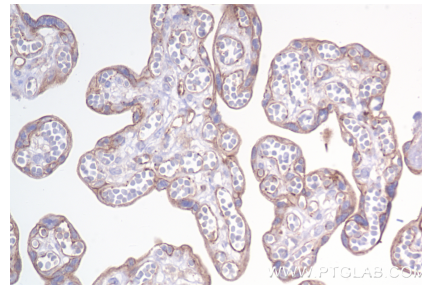
W: [ptgcn.com](http://ptgcn.com)

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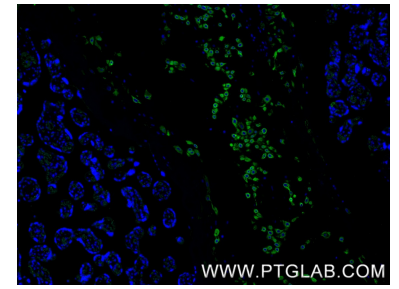
## Selected Validation Data



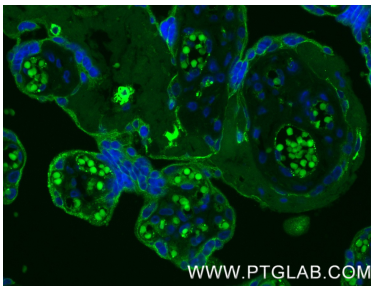
Various lysates were subjected to SDS PAGE followed by western blot with 84007-5-RR (EXOC1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 84007-5-RR (EXOC1 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using EXOC1 antibody (84007-5-RR, Clone: 241058D6) at dilution of 1:600 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded human placenta tissue using EXOC1 antibody (84007-5-RR, Clone: 241058D6) at dilution of 1:600 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).