

For Research Use Only

SEC5/EXOC2 Polyclonal antibody

Catalog Number: 12751-1-AP

Featured Product

21 Publications



Basic Information

Catalog Number:

12751-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3147

GenBank Accession Number:

BC016918

GeneID (NCBI):

55770

UNIPROT ID:

Q96KP1

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 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

IF/ICC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

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 brain tissue, human ileum tissue

IP: mouse brain tissue,

IHC: human breast cancer tissue,

IF/ICC: HeLa cells,

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

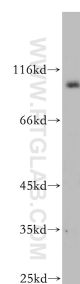
For technical support and original validation data for this product please contact:

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

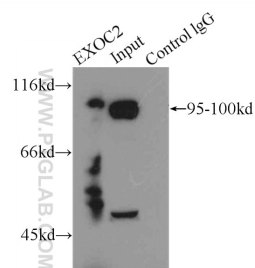
E: proteintech@ptglab.com
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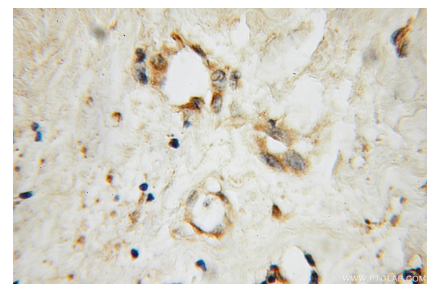
Selected Validation Data



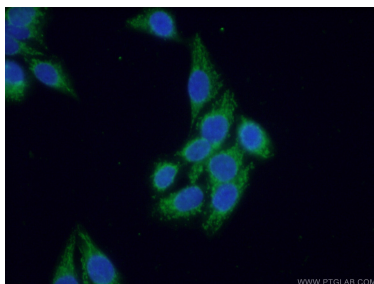
mouse brain tissue were subjected to SDS PAGE followed by western blot with 12751-1-AP (SEC5/EXOC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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 Goat Anti-Rabbit IgG(H+L).