



Rabbit Anti-EXOC2 antibody

SL13118R

Product Name:	EXOC2
Chinese Name:	胞吐囊复合体蛋白2抗体
Alias:	exocyst complex component 2; exocyst complex component Sec5; FLJ11026; SEC5; SEC5 like 1; SEC5L1; Sec5p; EXOC2 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Pig,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	104kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EXOC2/SEC5:31-130/924
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The mammalian exocyst complex (sec 6/8) is a multiple protein complex essential for targeting exocytic vesicles to specific docking sites on the plasma membrane. Sec 5 is one of eight exocyst complex subunits: Sec3, Sec5, Sec6, Sec8, Sec10, Sec15, Exo70, and Exo84. Exocyst complex regulation depends upon Sec5 binding Ral in a GTP-dependent manner. Human Sec5 maps to chromosome 6p25.3.

Function:

Component of the exocyst complex involved in the docking of exocytic vesicles with fusion sites on the plasma membrane.

Subunit:

The exocyst complex is composed of EXOC1, EXOC2, EXOC3, EXOC4, EXOC5, EXOC6, EXOC7 and EXOC8. Interacts with EXOC3L1 (By similarity). Interacts with RALA and GNEFR/DELGEF. Interaction with GNEFR occurs only in the presence of magnesium or manganese and is stimulated by dCTP or GTP. Interacts with RALB.

Subcellular Location:

Plasma membrane.

Tissue Specificity:

Widely expressed with highest levels in brain and placenta.

Similarity:

Belongs to the SEC5 family.
Contains 1 IPT/TIG domain.

SWISS:

Q96KP1

Gene ID:

55770

Database links:

[Entrez Gene: 55770](#)Human

[Entrez Gene: 66482](#)Mouse

[Entrez Gene: 171455](#)Rat

[SwissProt: Q96KP1](#)Human

[SwissProt: Q9D4H1](#)Mouse

[SwissProt: O54921](#)Rat

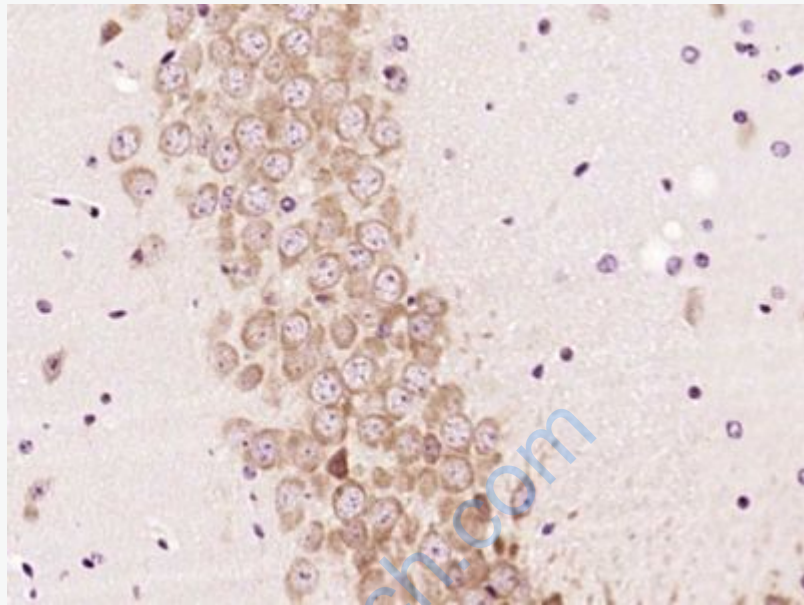
[Unigene: 484412](#)Human

[Unigene: 293510](#)Mouse

[Unigene: 2869](#)Rat

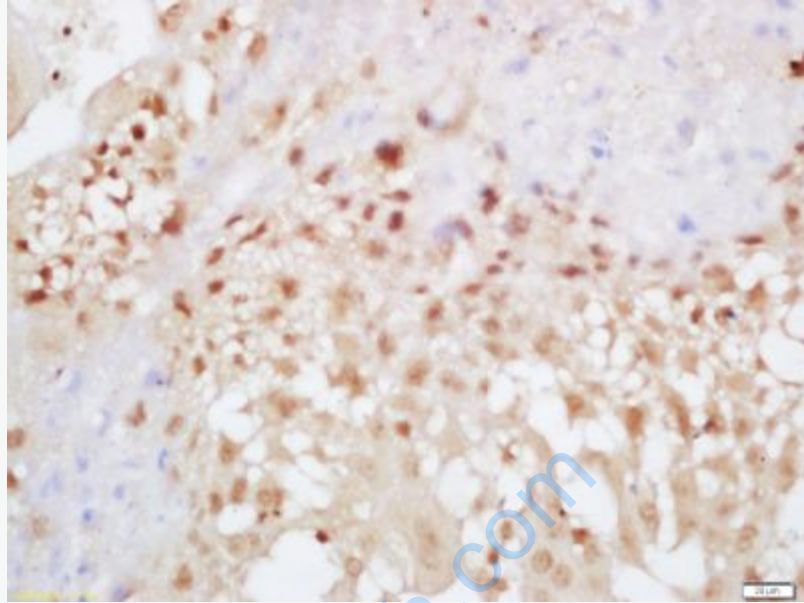
Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

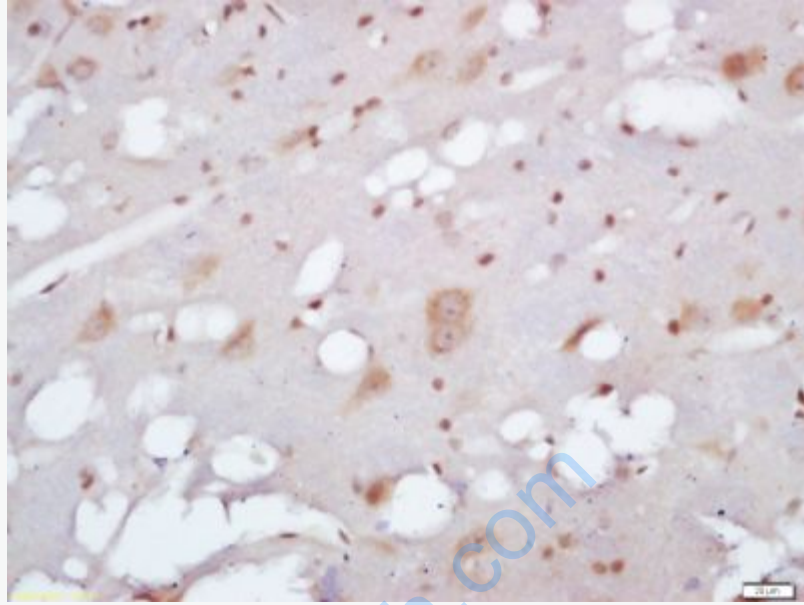
Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (EXOC2) Polyclonal Antibody, Unconjugated (SL13118R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-EXOC2 Polyclonal Antibody, Unconjugated(SL13118R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-EXOC2 Polyclonal Antibody, Unconjugated(SL13118R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining