

For Research Use Only

# SCAMP5 Recombinant antibody

Catalog Number: 85669-2-RR



## Basic Information

Catalog Number: 85669-2-RR	GenBank Accession Number: BC024700	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 192683	CloneNo.: 243122F5
Source: Rabbit	UNIPROT ID: Q8TAC9	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: secretory carrier membrane protein 5	
Immunogen Catalog Number: AG31837	Calculated MW: 26 kDa	
	Observed MW: 26 kDa	

## Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse brain tissue, 37°C incubated mouse brain tissue, rat brain tissue, 37°C incubated rat brain tissue
Species Specificity: human, mouse, rat	

## Background Information

Secretory carrier-associated membrane protein 5 (SCAMP5) belongs to the SCAMP family. Secretory carrier membrane proteins (SCAMPs) constitute a group of membrane transport proteins in plants, insects and mammals. The mammalian genome contains five types of SCAMP genes, namely, SCAMP1-SCAMP5. (PMID:36217917, PMID:19234194). SCAMPs participate in the vesicle cycling fusion of vesicles and cell membranes and play roles in regulating exocytosis and endocytosis, activating synaptic function and transmitting nerve signals. Among these proteins, SCAMP5 is highly expressed in the brain and has direct or indirect effects on the function of the central nervous system (PMID:36217917). SCAMP5 regulates membrane transport, controls the exocytosis of synaptic vesicles and is related to secretion carrier and membrane function. In addition, SCAMP5 plays a major role in the normal maintenance of the physiological functions of nerve cells (PMID:36217917, PMID:33663553). For optimal WB detection of this membrane protein, we recommend to avoid boiling the sample after lysis.

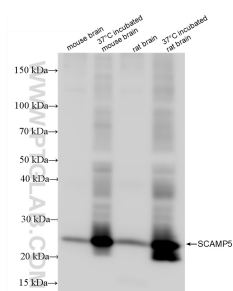
## Storage

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

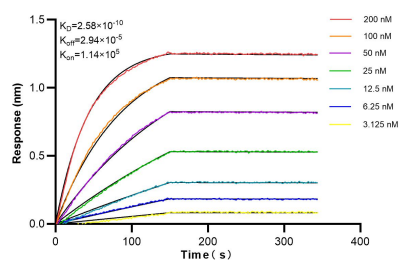
For technical support and original validation data for this product please contact:  
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85669-2-RR (SCAMP5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85669-2-RR against Human SCAMP5 were performed. The affinity constant is 0.258 nM.