

For Research Use Only

SCAMP5 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85669-2-PBS



Basic Information

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| Catalog Number: 85669-2-PBS | GenBank Accession Number: BC024700 | Purification Method: Protein A purification |
| Concentration: 1 mg/ml | GeneID (NCBI): 192683 | CloneNo.: 243122F5 |
| Source: Rabbit | UNIPROT ID: Q8TAC9 | |
| 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, Cytometric bead array, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

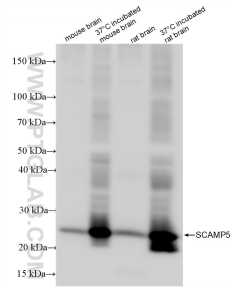
T: 4006900926

E: Proteintech-CN@ptglab.com

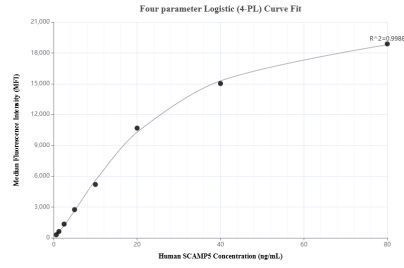
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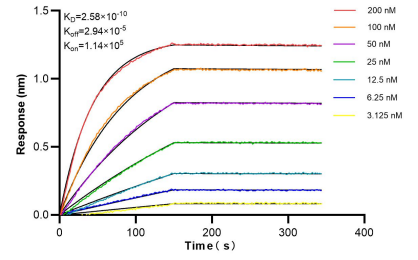
Selected Validation Data



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. This data was developed using the same antibody clone with 85669-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MPO2041-2, SCAMP5 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85669-2-PBS. Detection antibody: 85669-1-PBS. Standard: Ag31837. Range: 0.625-80 ng/mL



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