

# SCAMP5 Polyclonal antibody

Catalog Number: 30328-1-AP

## Basic Information

**Catalog Number:**

30328-1-AP

**Size:**

600 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG31837

**GenBank Accession Number:**

BC024700

**GeneID (NCBI):**

192683

**UNIPROT ID:**

Q8TAC9

**Full Name:**

secretory carrier membrane protein 5

**Calculated MW:**

26 kDa

**Observed MW:**

26 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:8000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

Human, mouse

**Positive Controls:**

WB : mouse brain tissue, mouse brain tissue (incubated at 37°C)

## 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:**

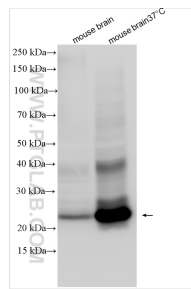
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30328-1-AP (SCAMP5 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.