

SCAMP4 Antibody
Catalog # ASC10953**Specification**

SCAMP4 Antibody - Product Information

Application	WB, IHC, IF
Primary Accession	Q969E2
Other Accession	NP_524558 , 17738287
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SCAMP4 antibody can be used for detection of SCAMP4 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

SCAMP4 Antibody - Additional Information

Gene ID	113178
Target/Specificity	
SCAMP4;	

Reconstitution & Storage

SCAMP4 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SCAMP4 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SCAMP4 Antibody - Protein Information

Name SCAMP4

Function

Probably involved in membrane protein trafficking.

Cellular Location

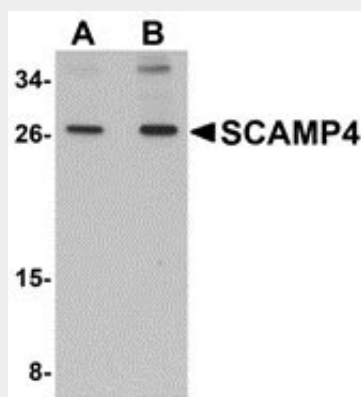
Membrane; Multi-pass membrane protein.

SCAMP4 Antibody - Protocols

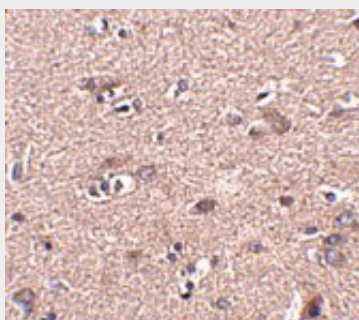
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

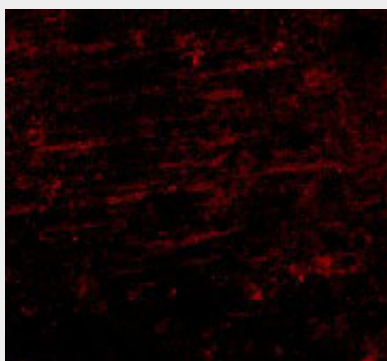
SCAMP4 Antibody - Images



Western blot analysis of SCAMP4 in 3T3 cell lysate with SCAMP4 antibody at (A) 1 and (B) 2 $\mu\text{g/mL}$.



Immunohistochemistry of SCAMP4 in human brain tissue with SCAMP4 antibody at 2.5 $\mu\text{g/mL}$.



Immunofluorescence of SCAMP4 in Human Brain cells with SCAMP4 antibody at 20 $\mu\text{g/mL}$.

SCAMP4 Antibody - Background

SCAMP4 Antibody: Secretory carrier membrane proteins (SCAMPs) are integral membrane proteins seen in secretory and endocytic carriers that are thought to play roles in membrane trafficking. One

member of this family, SCAMP4, lacks the putative calcium binding and leucine zipper structures as well as the protein-protein interacting NPF domains common to most SCAMP family members. In rats, SCAMP4 mRNA is repressed by progesterone in brain regions associated with female sexual behavior. At least three isoforms of SCAMP4 are known to exist. This SCAMP4 antibody is predicted to not cross-react with any other member of the secretory carrier membrane protein family.

SCAMP4 Antibody - References

Hubbard C, Singleton D, Rauch M, et al. The secretory carrier membrane protein family: structure and membrane topology. Mol. Biol. Cell 2000; 11:2933-47.

Krebs CJ and Pfaff DW. Expression of the SCAMP-4 gene, a new member of the secretory carrier membrane protein family, is repressed by progesterone in brain regions associated with female sexual behavior. Brain Res. Mol. Brain Res. 2001; 88:144-54.