

SCAMP4 Antibody

Catalog # ASC10953

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q969E2
Other Accession	NP_524558 , 17738287
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	25728
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SCAMP4 antibody can be used for detection of SCAMP4 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	113178
Other Names	Secretory carrier-associated membrane protein 4, Secretory carrier membrane protein 4, SCAMP4
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.

Protein Information

Name	SCAMP4
Function	Probably involved in membrane protein trafficking.
Cellular Location	Membrane; Multi-pass membrane protein.

Background

SCAMP4 Antibody: Secretory carrier membrane proteins (SCAMPs) are integral membrane proteins seen in

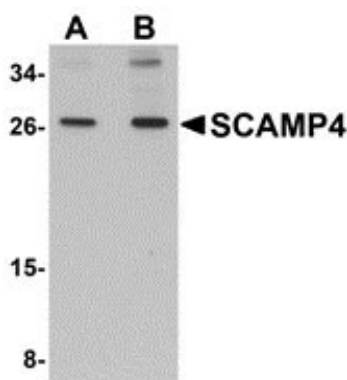
secretory and endocytic carriers that are thought to play roles in membrane trafficking. One member of this family, SCAMP4, lacks the putative calcium binding and leucine zipper structures as well as the protein-protein interacting NPF domains common to most SCAMP family members. In rats, SCAMP4 mRNA 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.

References

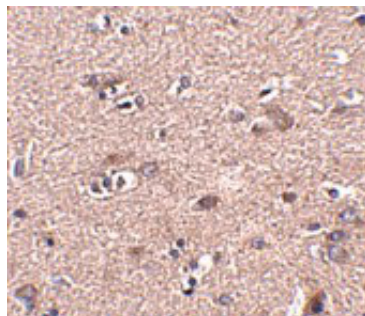
Hubbard C, Singleton D, Rauch M, et al. The secretory carrier membrane protein family: structure and membrane topology. *Mol. Biol. Cell* 2000; 11:2933-47.

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.

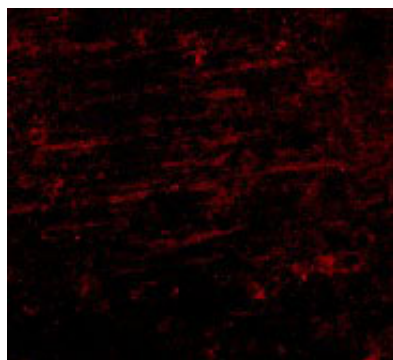
Images



Western blot analysis of SCAMP4 in 3T3 cell lysate with SCAMP4 antibody at (A) 1 and (B) 2 µg/mL.



Immunohistochemistry of SCAMP4 in human brain tissue with SCAMP4 antibody at 2.5 µg/mL.



Immunofluorescence of SCAMP4 in Human Brain cells with SCAMP4 antibody at 20 µg/mL.