

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse SCAMP3 in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human SCAMP3 Met1-Leu170 Accession # O14828
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

SCAMP3 (Secretory carrier membrane protein 3) is a 38-40 kDa member of the SCAMP family of proteins. It is expressed in heart and skeletal muscle, plus fat, and functions in post-Golgi recycling and EGFR internalization pathways. Human SCAMP3 is 347 amino acids (aa) in length. It contains a cytoplasmic N-terminus (aa 1-170) that shows three NPF repeats (binding sites for EH domain proteins), a heptad repeat of aliphatic aa's, and a potential SH3-binding motif. This is followed by four consecutive transmembrane domains (aa 171-297) plus a C-terminal cytoplasmic region (aa 298-347). It appears that phosphorylation of SCAMP3 on Tyr41 is a requisite for its interaction with EGFR. There are three potential splice forms. One shows a deletion of aa 23-48, while two others show a one and 23 aa substitution for aa 131-144 and 131-260, respectively. Over aa 1-170, human and mouse SCAMP3 are 91% aa identical.

PRODUCT SPECIFIC NOTICES

This product is provided under an agreement between Life Technologies Corporation and R&D Systems, Inc, and the manufacture, use, sale or import of this product is subject to one or more US patents and corresponding non-US equivalents, owned by Life Technologies Corporation and its affiliates. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components (1) in manufacturing; (2) to provide a service, information, or data to an unaffiliated third party for payment; (3) for therapeutic, diagnostic or prophylactic purposes; (4) to resell, sell, or otherwise transfer this product or its components to any third party, or for any other commercial purpose. Life Technologies Corporation will not assert a claim against the buyer of the infringement of the above patents based on the manufacture, use or sale of a commercial product developed in research by the buyer in which this product or its components was employed, provided that neither this product nor any of its components was used in the manufacture of such product. For information on purchasing a license to this product for purposes other than research, contact Life Technologies Corporation, Cell Analysis Business Unit, Business Development, 29851 Willow Creek Road, Eugene, OR 97402, Tel: (541) 465-8300. Fax: (541) 335-0354.