



Rabbit Anti-Flotillin 2 antibody

SL11254R

Product Name:	Flotillin 2
Chinese Name:	表皮细胞表面抗原1/Esa1抗体
Alias:	ECS-1; ECS1; Epidermal surface antigen 1; Epidermal surface antigen; ESA; ESA1; Flot2; FLOT2_HUMAN; Flotillin-2; M17S1 antibody Membrane component chromosome 17 surface marker 1; Membrane component chromosome 17 surface marker 1 homolog; Membrane component, chromosome 17, surface marker 1; REG-1; Reggie-1; Reggie-2.
文献引用 PubMed :	Specific References(1) SL11254R has been referenced in 1 publications. [IF=3.01] Liu, Rui, et al. "Identification of FLOT2 as a novel target for microRNA-34a in melanoma." Journal of Cancer Research and Clinical Oncology (2014): 1-14. WB;Human. PubMed:25403318
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	47kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ECS1:151-3250/428
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Lipid rafts are sphingolipid- and cholesterol-rich membrane microdomains that are insoluble in nonionic detergents. Lipid rafts are important for numerous cellular processes, including signal transduction, membrane trafficking and molecular sorting. Flotillins are lipid raft components in neurons and caveolae-associated proteins in A498 kidney cells. Flotillin-2, also designated epidermal surface antigen, is conserved in all mammalian species. Flotillin-1 and -2 have complementary tissue distributions and their expression levels are independently regulated. At the cellular level, Flotillin-2 is ubiquitously expressed, whereas Flotillin-1 is expressed in A498 kidney cells, muscle cell lines and fibroblasts. Stable transfection of a Flotillin-2 fusion protein in COS cells induces filopodia formation and changes epithelial cells to a neuronal appearance. Flotillins form a ternary complex with CAP and Cbl, directing the localization of the CAP-Cbl complex to a lipid raft subdomain of the plasma membrane. Association of ER-X with Flotillin localizes ER-X within plasma membrane caveolae and mediates rapid oestrogen activation of the MAP kinase cascade. The expression of the flotillins is also correlated to the progression of Alzheimer pathology.</p> <p>Function: May act as a scaffolding protein within caveolar membranes, functionally participating in formation of caveolae or caveolae-like vesicles. May be involved in epidermal cell adhesion and epidermal structure and function.</p> <p>Subunit: Heterooligomeric complex of flotillin-1 and flotillin-2 and caveolin-1 and caveolin-2 (By similarity). Interacts with ECM29.</p> <p>Subcellular Location: Cell membrane. Membrane > caveola. Endosome. Membrane-associated protein of caveolae.</p> <p>Tissue Specificity: In skin, expressed in epidermis and epidermal appendages but not in dermis. Expressed in all layers of the epidermis except the basal layer. In hair follicles, expressed in the suprabasal layer but not the basal layer. Also expressed in melanoma and carcinoma cell lines, fibroblasts and foreskin melanocytes.</p> <p>Post-translational modifications: ZDHHC5-catalyzed palmitoylation predominantly occurs at Cys-4. ZDHHC5-catalyzed palmitoylation may be required for the formation of higher-order complexes and for neurite outgrowth in cultured neural stem cells.</p> <p>Similarity:</p>

Belongs to the band 7/mec-2 family. Flotillin subfamily.

SWISS:
Q14254

Gene ID:
2319

Database links:

[Entrez Gene: 2319](#) Human

[Omin: 131560](#) Human

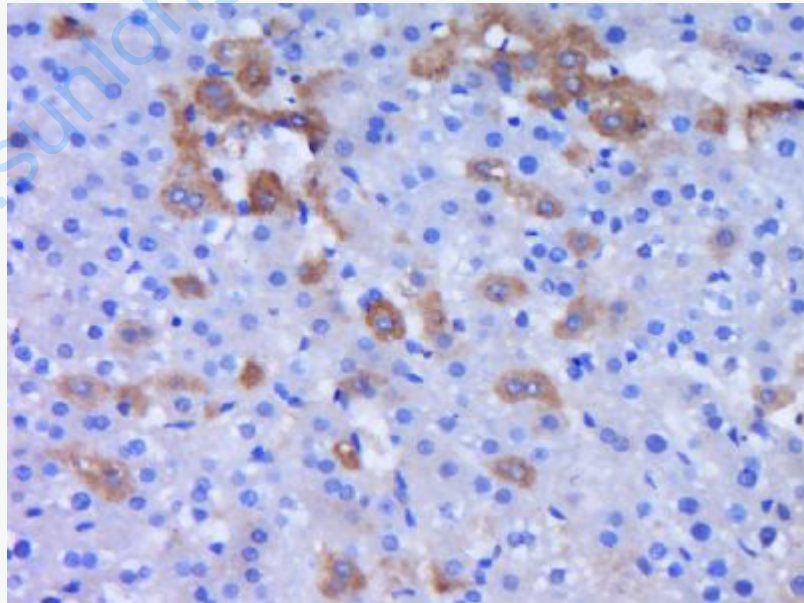
[SwissProt: Q14254](#) Human

[Unigene: 514038](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Paraformaldehyde-fixed, paraffin embedded (Rat liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3%

hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Flotillin 2) Polyclonal Antibody, Unconjugated (SL11254R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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