FLOT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FLOT2, Polyclonal Antibody
Full Product Name	FLOT2 Rabbit pAb
Product Gene Name	anti-FLOT2 antibody
Product Synonym Names	ESA; ECS1; ESA1; ECS-1; M17S1
Immunogen Sequence	LAYELQGARE QQKIRQEEIE IEVVQRKKQI AVEAQEILRT DKELIATVRR PAEAEAHRIQ QIAEGEKVKQ VLLAQAEAEK IRKIGEAEAA VIEAMGKAEA ERMKLKAEAY QKYGDAAKMA LVLEALPQIA AKIAAPLTKV DEIVVLSGDN SKVTSEVNRL LAELPASVHA LTGVDLSKIP LIKKATGVQV
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	47,064 Da
OMIM	131560
3D Structure	ModBase 3D Structure for Q14254
Cellular Location	Cell membrane, Endosome, Lipid-anchor, Membrane, Peripheral membrane protein, caveola
Research Area	Signal Transduction, Cell Biology Developmental Biology, Cell Cycle, Centrosome, Endocrine Metabolism, Insulin Receptor Signaling Pathway, Neuroscience
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 239-428 of human FLOT2 (NP_004466.2).
Product Categories/Family for anti-FLOT2 antibody	Polyclonal Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-FLOT2 antibody	Western Blot (WB)
Application Notes for anti-FLOT2 antibody	WB: 1:500-1:2000
Related Product Information for anti-FLOT2 antibody	Caveolae are small domains on the inner cell membrane involved in vesicular trafficking and signal transduction. This gene encodes a caveolae-associated, integral membrane protein, which is thought to function in neuronal signaling.
Other Notes	Small volumes of anti-FLOT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for FLOT2 purchase	MBS9146157 is an antibody targeting FLOT2. Also known as FLOT2 Rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FLOT2. It may not necessarily be applicable to this product.

NCBI GI #	254763294
NCBI GeneID	2319
NCBI Accession #	Q14254.2
UniProt Primary Accession #	Q14254
UniProt Related Accession #	Q14254
NCBI Official Full Name	Flotillin-2
NCBI Official Synonym Full Names	flotillin 2
NCBI Official Symbol	FLOT2
NCBI Official Synonym Symbols	ESA; ECS1; ESA1; ECS-1; M17S1
UniProt Protein Name	Flotillin-2
UniProt Synonym Protein Names	Epidermal surface antigen; ESA; Membrane component chromosome 17 surface marker 1
Protein Family	Flotillin-like protein
UniProt Gene Name	FLOT2
UniProt Synonym Gene Names	ESA1; M17S1; ESA
UniProt Entry Name	FLOT2_HUMAN
NCBI Protein Information	flotillin-2; epidermal surface antigen; Flotillin 2 (epidermal surface antigen 1); membrane component chromosome 17 surface marker 1; membrane component, chromosome 17, surface marker 1 (35kD protein identified by monoclonal antibody ECS-1)
UniProt Comments for FLOT2	FLOT2: 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. Heterooligomeric complex of flotillin-1 and flotillin-2 and caveolin-1 and caveolin-2. Interacts with ECM29. 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. Belongs to the band 7/mec-2 family. Flotillin subfamily. Protein type: Cell adhesion Chromosomal Location of Human Ortholog: 17q11-q12 Cellular Component: focal adhesion; membrane; endocytic vesicle; perinuclear region of cytoplasm; plasma membrane; caveola; flotillin complex; vesicle; endosome; acrosomal membrane Molecular Function: ionotropic glutamate receptor binding; protein binding; protease binding Biological Process: epidermis development; protein stabilization; cell adhesion
Research Articles on FLOT2	**1.** The FLOT2 is abundantly expressed in term villous placental CTs and endothelial cells, and in comparison, expression of these proteins in the ST is reduced.
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