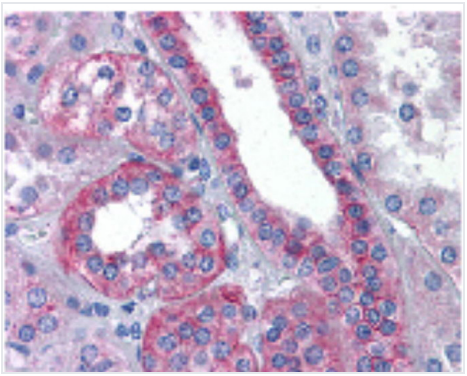
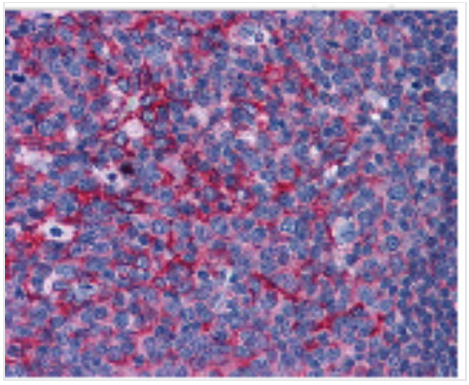
FLOT2 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

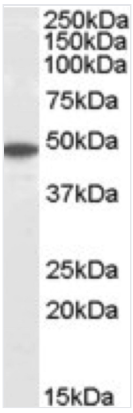
Product Name	FLOT2, Polyclonal Antibody
Full Product Name	FLOT2, CT (Flotillin 2, Epidermal Surface Antigen, ESA, Membrane Component Chromosome 17 Surface Marker 1, ESA1, M17S1)
Product Gene Name	anti-FLOT2 antibody
Product Synonym Names	Anti -FLOT2, CT (Flotillin 2, Epidermal Surface Antigen, ESA, Membrane Component Chromosome 17 Surface Marker 1, ESA1, M17S1)
Clonality	Polyclonal
Host	Goat
Species Reactivity	Human
Form/Format	Supplied as a liquid in Tris saline buffer, 0.5% BSA, 0.02% sodium azide.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human FLOT2.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	47,064 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (27206356..27224715, complement). Location: 17q11-q12
OMIM	131560
3D Structure	ModBase 3D Structure for Q14254
Immunogen	Synthetic peptide corresponding to C-SKIPLIKKATGVQV of human FLOT2 at C-terminal.
Product Categories/Family for anti-FLOT2 antibody	Antibodies; Abs to Glucose Transporters
Applications Tested/Suitable for anti-FLOT2 antibody	ELISA (EL/EIA), Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-FLOT2 antibody	Suitable for use in ELISA, Western Blot, Immunohistochemistry. Dilution: ELISA: 1:32,000 Western Blot: 0.1-0.3ug/ml Immunohistochemistry (Formalin fixed paraffin embedded): 3.75ug/ml
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	MBS6003336 is an antibody targeting FLOT2. Also known as FLOT2, CT (Flotillin 2, Epidermal Surface Antigen, ESA, Membrane Component Chromosome 17 Surface Marker 1, ESA1, M17S1). Reactive in Human. Host: Goat.



Immunohistochemistry (IHC) of anti-FLOT2 antibody
Human Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry (IHC) of anti-FLOT2 antibody
Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)



Testing Data of anti-FLOT2 antibody
FLOT2 antibody (0.1ug/ml) staining of Human Brain (Cerebellum) lysate (35ug protein/ml in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

ADDITIONAL DETAILS

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

NCBI GI #	94538362
NCBI GeneID	2319
NCBI Accession #	NP_004466.2
UniProt Primary Accession #	Q14254
UniProt Related Accession #	Q14254
GenBank Nucleotide #	NM_004475.2
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; perinuclear region of cytoplasm; endocytic vesicle; plasma membrane; flotillin complex; caveola; endosome; vesicle; 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.** we describe how flotillin-1 and -2 contribute to the stabilization of ErbB2 at the cell surface in breast cancer tissue
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/flot2/6003336