

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody
Peptide-affinity purified goat antibody
Catalog # AF1422a**Specification**

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Product Information

Application	WB, E
Primary Accession	Q14254
Other Accession	NP_004466 , 2319
Reactivity	Human
Predicted	Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	47064

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Additional Information**Gene ID** 2319**Other Names**

Flotillin-2, Epidermal surface antigen, ESA, Membrane component chromosome 17 surface marker 1, FLOT2, ESA1, M17S1

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Protein Information**Name** FLOT2**Synonyms** ESA1, M17S1

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.

Cellular Location

Cell membrane; Peripheral membrane protein. Membrane, caveola; Peripheral membrane protein. Endosome Membrane; Lipid-anchor. Note=Membrane-associated protein of caveolae

Tissue Location

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

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Images

AF1422a (0.1 µg/ml) staining of Human Brain (Cerebellum) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - Background

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.

Goat Anti-Flotillin 2 / FLOT2 (C Term) Antibody - References

Cellular roles of the prion protein in association with reggie/flotillin microdomains. Solis GP, et al. Front Biosci, 2010 Jun 1. PMID 20515742.

Flotillins are involved in the polarization of primitive and mature hematopoietic cells. Rajendran L, et al. PLoS One, 2009 Dec 22. PMID 20027317.

Basolateral internalization of GPI-anchored proteins occurs via a clathrin-independent flotillin-dependent pathway in polarized hepatic cells. Aït-Slimane T, et al. Mol Biol Cell, 2009 Sep. PMID 19605558.

Paradoxical condensation of copper with elevated beta-amyloid in lipid rafts under cellular copper deficiency conditions: implications for Alzheimer disease. Hung YH, et al. J Biol Chem, 2009 Aug 14. PMID 19542222.

Flotillins interact with PSGL-1 in neutrophils and, upon stimulation, rapidly organize into membrane domains subsequently accumulating in the uropod. Rossy J, et al. PLoS One, 2009. PMID 19404397.