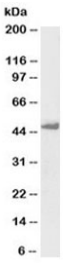
Flotillin 1 Antibody Biotin Conjugate (R35932BTN)

Catalog No.	Formulation	Size
R35932BTN	0.5 mg/ml in 1X TBS, pH7.3, with 0.5% BSA (US sourced) and 0.02% sodium azide	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Dog, Pig, Cow
Format	Biotin Conjugate
Host	Goat
Clonality	Polyclonal (goat origin)
Isotype	Goat Ig
Purity	Antigen affinity
Gene ID	10211
Applications	Western blot: 1-3ug/ml ELISA (peptide) LOD: 1:2000
Limitations	This Flotillin 1 Antibody Biotin Conjugate is available for research use only.



Flotillin 1 Antibody Biotin Conjugate K562 Cell WB. Western blot testing of human K562 cell lysate with Flotillin 1 Antibody Biotin Conjugate at 1 ug/ml. Expected and observed molecular weight: ~49 kDa. The biotinylated Flotillin 1 antibody detects endogenous FLOT1 expression and demonstrates compatibility with biotin-streptavidin based detection workflows. Flotillin 1 Antibody Biotin Conjugate supports studies of lipid raft organization, membrane microdomains, vesicle trafficking and cell signaling pathways.

Description

Flotillin 1 Antibody Biotin Conjugate detects FLOT1, a membrane-associated scaffolding protein involved in lipid raft organization, membrane microdomain structure and cell signaling regulation. Flotillin 1, also known as Reggie 2, belongs to the SPFH domain-containing flotillin protein family and is enriched in cholesterol-rich regions of the plasma membrane. These specialized membrane domains help organize receptors, signaling proteins and trafficking complexes that regulate communication between the cell surface and intracellular pathways. Biotin conjugation allows researchers to use Flotillin

1 Antibody Biotin Conjugate with streptavidin-based detection systems for flexible assay development and protein analysis.

Flotillin 1 contributes to multiple cellular processes including endocytosis, vesicle trafficking, membrane organization and extracellular vesicle biology. Flotillin-associated lipid rafts provide platforms for coordinating signaling events and regulating the localization of membrane proteins. FLOT1 has also been investigated for its role in cytoskeletal interactions, receptor regulation and cellular responses to environmental signals. Flotillin 1 Antibody Biotin Conjugate is useful for researchers studying membrane microdomains, lipid raft-associated proteins and intracellular transport pathways.

Research involving Flotillin 1 spans several fields including cell biology, cancer research, neuroscience and immunology. Altered FLOT1 expression has been studied in cancer models due to associations with signaling regulation, proliferation, migration and invasion. Flotillin 1 is also commonly examined in studies of extracellular vesicles and exosomes because of its presence in membrane-derived structures involved in cell-to-cell communication. These diverse functions make FLOT1 an important target for understanding how membrane organization influences cellular activity.

Flotillin 1 Antibody Biotin Conjugate applications include detection of FLOT1 expression and localization using biotin-streptavidin based experimental workflows. Analysis of Flotillin 1 supports research focused on lipid rafts, membrane trafficking, signaling complexes and vesicle biology. NSJ Bioreagents provides Flotillin 1 Antibody Biotin Conjugate for researchers studying membrane-associated proteins, intracellular communication and cell biology pathways.

FLOT1 Antibody detects the Reggie 2 protein involved in membrane organization, vesicle trafficking and cell signaling; additional lipid raft research tools are available on our Flotillin 1 Antibody / Lipid Raft Marker Antibody page.

Application Notes

Optimal dilution of the Flotillin 1 Antibody Biotin Conjugate should be determined by the researcher.

Immunogen

Amino acids SISQVNHKPLRTA were used as the immunogen for this Flotillin 1 antibody.

Storage

Aliquot and store the Flotillin 1 antibody at -20oC.

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