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Publications

Flotillin 1 antibody [C3], C-term

KO Validated

Purified by antigen-affinity chromatography.



Purification:

Grade:

Overview	
Quantity:	100 μL
Target:	Flotillin 1 (FLOT1)
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Flotillin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)
Product Details	
Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus
	region of human Flotillin 1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Hamster, Human
Characteristics:	Rabbit polyclonal antibody to Flotillin 1 (flotillin 1)

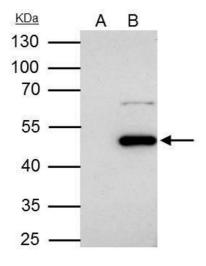
Target Details

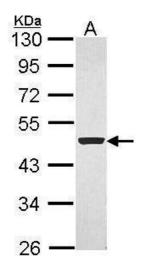
Target:	Flotillin 1 (FLOT1)
Alternative Name:	flotillin 1 (FLOT1 Products)
Background:	Caveolae are small domains on the inner cell membrane involved in vesicular trafficking and signal transduction. FLOT1 encodes a caveolae-associated, integral membrane protein. The function of flotillin 1 has not been determined.
	Cellular Localization: Cell membrane, Peripheral membrane protein , Membrane , caveola, Peripheral membrane protein , Melanosome
Molecular Weight:	47 kDa
Gene ID:	10211
UniProt:	075955
Application Details	
Application Notes:	WB: 1:500-1:3000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: 293T , A431 , HeLa , HepG2 Validation: KO/KD
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.79 mg/mL
Buffer:	0.1M Tris-Glycine (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Product cited in:

Pfeifer, Thurner, Kessel, Fadle, Kheiroddin, Regitz, Hoffmann, Kos, Preuss, Fischer, Roemer, Lohse, Heyne, Detemple, Fedlmeier, Juenger, Sauer, Meyer, Rohrer, Wittkowski, Becker, Masjosthusmann, Bals et al.: "Autoantibodies against interleukin-1 receptor antagonist in multisystem inflammatory syndrome in children: a multicentre, retrospective, cohort study. ..." in: **The Lancet. Rheumatology**, Vol. 4, Issue 5, pp. e329-e337, (2022) (PubMed).

Images



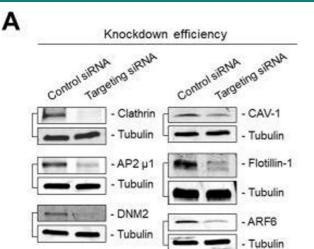


Immunoprecipitation

Image 1. IP Image Flotillin 1 antibody [C3], C-term immunoprecipitates Flotillin 1 protein in IP experiments. IP samples: HCT-116 whole cell extract A. Control with 4 μg of preimmune Rabbit IgG B. Immunoprecipitation of Flotillin 1 protein by 4 μg Flotillin 1 antibody [C3], C-term , 10 % SDS-PAGE The immunoprecipitated Flotillin 1 protein was detected by Flotillin 1 antibody [C3], C-term , diluted at 1:1000. [EasyBlot anti-rabbit IgG was used as a secondary reagent]

Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: Hep G2, 10% SDS PAGE antibody diluted at 1:1000



Western Blotting

Image 3. Immunoblots showing siRNA-mediated knockdown efficiencies corresponding to data of Figure 1.(A) Immunoblots showing knockdown efficiency of siRNA transfections related to Figure 1B. (B) Immunoblots showing knockdown efficiency of siRNA transfections related to Figure 1D. - figure provided by CiteAb. Source: PMID30801249