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Datasheet for ABIN7113755 **anti-EHD3 antibody**

Overview

Quantity:	100 µg
Target:	EHD3
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EHD3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	EH-domain containing 3
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	EHD3
Alternative Name:	EHD3 (EHD3 Products)
Background:	Synonyms:EHD2, Background:ATP-and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis(PubMed:25686250). In vitro causes tubulation of endocytic membranes(PubMed:24019528). Binding to phosphatidic acid induces its membrane tubulation activity(By similarity). Plays a role in endocytic transport. Involved in early

Target Details

endosome to recycling endosome compartment(ERC), retrograde early endosome to Golgi, and endosome to plasma membrane(rapid recycling) protein transport. Involved in the regulation of Golgi maintenance and morphology(PubMed:16251358, PubMed:17233914, PubMed:19139087, PubMed:23781025). Involved in the recycling of internalized D1 dopamine receptor(PubMed:21791287). Plays a role in cardiac protein trafficking probably implicating ANK2(PubMed:20489164). Involved in the ventricular membrane targeting of SLC8A1 and CACNA1C and probably the atrial membrane localization of CACNA1GG and CACNA1H implicated in the regulation of atrial myocyte excitability and cardiac conduction(By similarity). In conjunction with EHD4 may be involved in endocytic trafficking of KDR/VEGFR2 implicated in control of glomerular function(By similarity). Involved in the rapid recycling of integrin beta-3 implicated in cell adhesion maintenance(PubMed:23781025). Involved in the unidirectional retrograde dendritic transport of endocytosed BACE1 and in efficient sorting of BACE1 to axons implicating a function in neuronal APP processing(By similarity). Plays a role in the formation of the ciliary vesicle, an early step in cilium biogenesis, possibly sharing redundant functions with EHD1(PubMed:25686250).

Molecular Weight:	61 kDa
Gene ID:	30845
UniProt:	Q9NZN3

Application Details

Application Notes:	WB: 1:500-1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Handling

Expiry Date: 12 months