

Product Name: EHD1 (13E1) Rabbit Monoclonal Antibody
Catalog #: AMRe10351

Summary

Production Name	EHD1 (13E1) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	EHD1
Alternative Names	EHD1; H PAST; hPAST1; PAST; PAST homolog 1; PAST1; Testilin;
Gene ID	10938.0
SwissProt ID	Q9H4M9.A synthetic peptide of human EHD1

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	61kDa

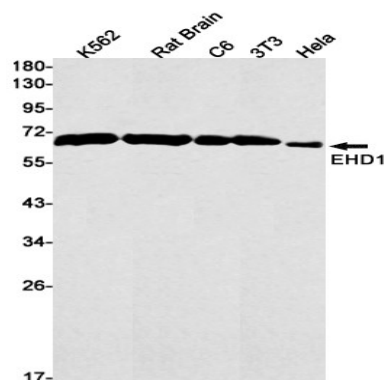
Background

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Acts in early endocytic membrane fusion and membrane trafficking of recycling endosomes. ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis. In vitro causes vesiculation of endocytic membranes (PubMed: [24019528](http://www.uniprot.org/citations/24019528)). Acts in early endocytic membrane fusion and membrane trafficking of recycling endosomes (PubMed: [15020713](http://www.uniprot.org/citations/15020713), PubMed: [17233914](http://www.uniprot.org/citations/17233914), PubMed: [20801876](http://www.uniprot.org/citations/20801876)). Recruited to endosomal membranes upon nerve growth factor stimulation, indirectly regulates neurite outgrowth (By similarity). Plays a role in myoblast fusion (By similarity). 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 (CV), an early step in cilium biogenesis. Proposed to be required for the fusion of distal appendage vesicles (DAVs) to form the CV by recruiting SNARE complex component SNAP29. Is required for recruitment of transition zone proteins CEP290, RPGRI1L, TMEM67 and B9D2, and of IFT20 following DAV reorganization before Rab8-dependent ciliary membrane extension. Required for the loss of CCP110 from the mother centriole essential for the maturation of the basal body during ciliogenesis (PubMed: [25686250](http://www.uniprot.org/citations/25686250)).

Research Area

Image Data



Western blot detection of EHD1 in K562, Rat Brain, C6, 3T3, HeLa cell lysates using EHD1 antibody (1:1000 diluted).

Note

For research use only.