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EHD4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20790c

Product Information

Application	WB, E
Primary Accession	Q9H223
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB50355
Calculated MW	61175

Additional Information

Gene ID	30844
Other Names	EH domain-containing protein 4, Hepatocellular carcinoma-associated protein 10/11, PAST homolog 4, EHD4, HCA10, HCA11, PAST4
Target/Specificity	This EHD4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 527-561 amino acids from the C-terminal region of human EHD4.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EHD4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	EHD4 (HGNC:3245)
Function	ATP- and membrane-binding protein that probably controls membrane reorganization/tubulation upon ATP hydrolysis. Plays a role in early endosomal transport (PubMed:17233914, PubMed:18331452). During sprouting angiogenesis, in complex with PACSIN2 and MICALL1, forms

	recycling endosome-like tubular structure at asymmetric adherens junctions to control CDH5 trafficking (By similarity).
Cellular Location	Early endosome membrane; Peripheral membrane protein; Cytoplasmic side. Recycling endosome membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane {ECO:0000250|UniProtKB:Q9EQP2}; Peripheral membrane protein; Cytoplasmic side. Cell junction, adherens junction {ECO:0000250|UniProtKB:Q9EQP2}
Tissue Location	Highly expressed in pancreas and heart.

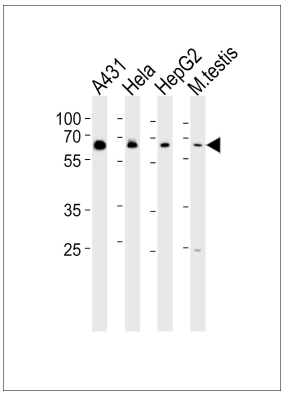
Background

Plays a role in early endosomal transport.

References

Wang Y.,et al.J. Immunol. 169:1102-1109(2002).
Wang Y.-G.,et al.Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.
Benjamin S.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Pohl U.,et al.Genomics 63:255-262(2000).
Rush J.,et al.Nat. Biotechnol. 23:94-101(2005).

Images



Western blot analysis of lysates from A431, Hela, HepG2 cell line and mouse testis tissue lysate(from left to right), using EHD4 Antibody (C-term)(Cat. #AP20790c). AP20790c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.