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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
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.

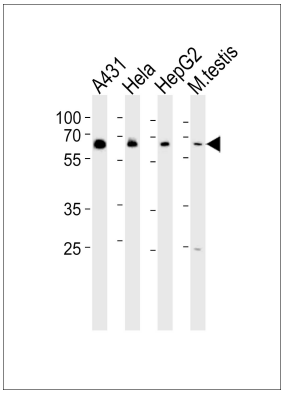
Background

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.