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EHD2 Antibody (C-Terminus)
Goat Polyclonal Antibody
Catalog # ALS16073

Specification

EHD2 Antibody (C-Terminus) - Product Information

Application	**WB, IHC**
Primary Accession	Q9NZN4
Reactivity	**Human, Monkey, Bovine**
Host	**Goat**
Clonality	**Polyclonal**
Calculated MW	**61kDa KDa**

EHD2 Antibody (C-Terminus) - Additional Information

Gene ID 30846

Other Names
EH domain-containing protein 2, PAST homolog 2, EHD2, PAST2

Target/Specificity
Human EHD2. This antibody is expected to recognise EHD1 protein as well as EHD2.

Reconstitution & Storage
Store at -20°C. Minimize freezing and thawing.

Precautions
EHD2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

EHD2 Antibody (C-Terminus) - Protein Information

Name EHD2 (HGNC:3243)

Function
ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis (By similarity). Plays a role in membrane trafficking between the plasma membrane and endosomes (PubMed:17233914). Important for the internalization of GLUT4. Required for fusion of myoblasts to skeletal muscle myotubes. Required for normal translocation of FER1L5 to the plasma membrane (By similarity). Regulates the equilibrium between cell surface-associated and cell surface-dissociated caveolae by constraining caveolae at the cell membrane (PubMed:25588833).

Cellular Location
Cell membrane; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8BH64}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8BH64}. Membrane, caveola; Peripheral membrane protein {ECO:0000250|UniProtKB:Q8BH64}; Cytoplasmic side {ECO:0000250|UniProtKB:Q8BH64}.

Endosome membrane {ECO:0000250|UniProtKB:Q4V8H8}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q4V8H8}; Cytoplasmic side {ECO:0000250|UniProtKB:Q4V8H8}. Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q8BH64}. Note=Colocalizes with GLUT4 in intracellular tubulovesicular structures that are associated with cortical F-actin. Colocalizes with FER1L5 at plasma membrane in myoblasts and myotubes. {ECO:0000250|UniProtKB:Q8BH64}

Tissue Location
Highly expressed in heart and moderately expressed in placenta, lung, and skeletal muscle.

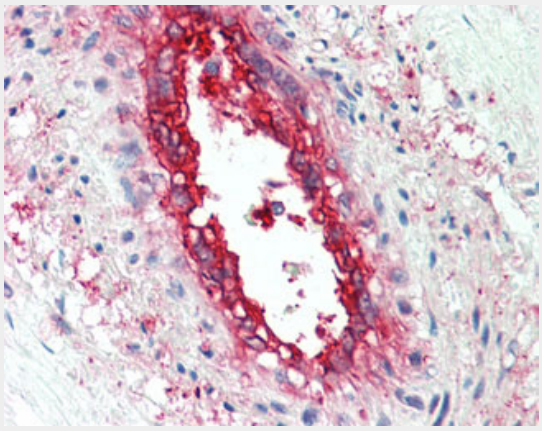
EHD2 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EHD2 Antibody (C-Terminus) - Images

Antibody staining (0.003 ug/ml) of human heart lysate (RIPA buffer, 35 ug total protein per lane).



Anti-EHD2 antibody IHC staining of human vessel.

EHD2 Antibody (C-Terminus) - Background

Plays a role in membrane reorganization in response to nucleotide hydrolysis. Binds to liposomes and deforms them into tubules. Plays a role in membrane trafficking between the plasma

membrane and endosomes. Important for the internalization of GLUT4. Required for normal fusion of myoblasts to skeletal muscle myotubes. Required for translocation of FER1L5 to the plasma membrane. Binds ATP; does not bind GTP (By similarity).

EHD2 Antibody (C-Terminus) - References

Pohl U.,et al.Genomics 63:255-262(2000).
Benjamin S.,et al.Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.