SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-EHD2 antibody

Catalog Number: SL14526R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	EHD2
Immunogen:	KLH conjugated synthetic peptide derived from human EHD2: 451-543/543
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse)
Predicted MW.:	60kDa
Subcellular Location:	The cell membrane
Background:	This gene encodes a member of the EH domain-containing protein family. These proteins are characterized by a C-terminal EF-hand domain, a nucleotide-binding consensus site at the N terminus and a bipartite nuclear localization signal. The encoded protein interacts with the actin cytoskeleton through an N-terminal domain and also binds to an EH domain-binding protein through the C-terminal EH domain. This interaction appears to connect clathrin-dependent endocytosis to actin, suggesting that this gene product participates in the endocytic pathway. [provided by RefSeq, Jul 2008] **Function:** 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 Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Important for the internalization of GLUT4. Required for normal fusion of myoblasts to skeletal muscle myotubes. Binds ATP; does not bind GTP. **Subcellular Location:** Cell membrane. Endosome membrane. Colocalizes with GLUT4 in intracellular tubulovesicular structures that are associated with cortical F-actin. **Tissue Specificity:** Highly expressed in heart and moderately expressed in placenta, lung, and skeletal muscle. **Similarity:** Contains 1 EF-hand domain. Contains 1 EH domain. **Database links:** **Entrez Gene:** 30846 Human **Entrez Gene:** 538348 Cow **Entrez Gene:** 259300 Mouse **Entrez Gene:** 361512 Rat Omim: 605890 Human **SwissProt:** Q9NZN4 Human **SwissProt:** Q8BH64 Mouse **SwissProt:** Q4V8H8 Rat **Unigene:** 631554 Human **Unigene:** 138215 Mouse **Unigene:** 438817 Mouse **Unigene:** 16016 Rat

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