

Rabbit EHD2 Polyclonal Antibody | anti-EHD2 antibody

EHD2 Antibody

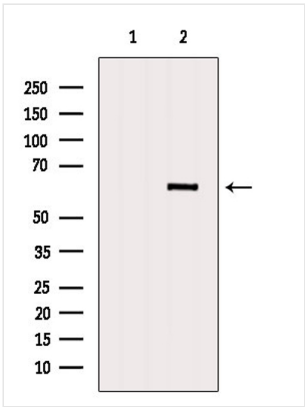
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328838	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus	Western Blot

PRODUCT SYNONYMS

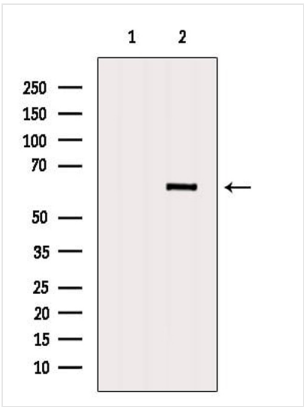
EHD2; Polyclonal Antibody; EHD2 Antibody; EH domain containing 3; EHD3; PAST3; anti-EHD2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Clonality	Polyclonal
Isotype	IgG
Specificity	EHD2 Antibody detects endogenous levels of EHD2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	543
Applicable Applications for anti-EHD2 antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human EHD2.
Tissue Specificity	Highly expressed in heart and brain and moderately expressed in kidney, liver, and placenta.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Endosome; Plasma Membrane
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)
Western blot analysis of extracts from Rat brain, using EHD2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)
Western blot analysis of extracts from Mouse heart tissue, using EHD2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-EHD2 antibody	Description: ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis (PubMed:25686250). In vitro causes tubulation of endocytic membranes (PubMed:24019528). Binding to phosphatidic acid induces its membrane tubulation activity (By similarity). Plays a role in endocytic transport. Involved in early endosome to recycling endosome compartment (ERC), retrograde early endosome to Golgi, and endosome to plasma membrane (rapid recycling) protein transport. Involved in the regulation of Golgi maintenance and morphology (PubMed:16251358, PubMed:17233914, PubMed:19139087, PubMed:23781025). Involved in the recycling of internalized D1 dopamine receptor (PubMed:21791287). Plays a role in cardiac protein trafficking probably implicating ANK2 (PubMed:20489164). Involved in the ventricular membrane targeting of SLC8A1 and CACNA1C and probably the atrial membrane localization of CACNA1GG and CACNA1H implicated in the regulation of atrial myocyte excitability and cardiac conduction (By similarity). In conjunction with EHD4 may be involved in endocytic trafficking of KDR/VEGFR2 implicated in control of glomerular function (By similarity). Involved in the rapid recycling of integrin beta-3 implicated in cell adhesion maintenance (PubMed:23781025). 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, an early step in cilium biogenesis; possibly sharing redundant functions with EHD1 (PubMed:25686250). Subunit Structure: Homooligomer, and heterooligomer with EHD1, EHD2 and EHD4, ATP-binding is required for heterooligomerization (PubMed:16251358, PubMed:17233914). Interacts with PACSIN1 (By similarity). Interacts with PACSIN2 (By similarity). Interacts (via EH domain) with MICALL1 (PubMed:19864458). Interacts (via EH domain) with RAB11FIP2 (PubMed:16251358). Interacts with ANK2 (PubMed:20489164). Similarity: The EH domain interacts with Asn-Pro-Phe (NPF) motifs of target proteins. Belongs to the TRAFAC class dynamin-like GTPase superfamily. Dynamin/Fzo/YdjA family. EHD subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21361462
NCBI GeneID	30846
NCBI Accession #	NP_055416.2
NCBI GenBank Nucleotide #	NP_055416.2
UniProt Accession #	Q9NZN3; Q9NZN4
Molecular Weight	Observed: 61 kDa Predicted: 61 kDa
NCBI Official Full Name	EH domain-containing protein 2
NCBI Official Synonym Full Names	EH domain containing 2

NCBI Official Symbol	EHD2
NCBI Official Synonym Symbols	PAST2
NCBI Protein Information	EH domain-containing protein 2
UniProt Protein Name	EH domain-containing protein 2
UniProt Gene Name	EHD2
UniProt Entry Name	EHD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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 Online datasheet: <https://stage.aaabiotech.com/polyclonal/ehd2-antibody-western-blot-elisa/328838>