Datasheet for ABIN7602880

anti-EHD1 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	EHD1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EHD1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-EHD1 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human EHD1, which shares 95% amino acid (aa) sequence identity with both mouse and rat EHD1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EHD1 Antibody Picoband® (ABIN7602880). Tested in Flow Cytometry, WB applications. This antibody reacts with Human, Monkey, Mouse. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	EHD1
Alternative Name:	EHD1 (EHD1 Products)
Background:	Synonyms: EH domain-containing protein 1, PAST homolog 1, hPAST1, Testilin, EHD1, PAST, CDABP0131 Tissue Specificity: Highly expressed in testis. Background: EH domain-containing protein 1, also known as testilin or PAST homolog 1 (PAST1), is a protein that in humans is encoded by the EHD1 gene, belonging to the EHD protein family. It is mapped to 11q13.1. This gene belongs to a highly conserved gene family encoding EPS15 homology (EH) domain-containing proteins. The protein-binding EH domain was first noted in EPS15, a substrate for the epidermal growth factor receptor. The EH domain has been shown to be an important motif in proteins involved in protein-protein interactions and in intracellular sorting. The protein encoded by this gene is thought to play a role in the endocytosis of IGF1 receptors. Alternatively spliced transcript variants have been found for this gene.
Molecular Weight:	61 kDa
Gene ID:	10938
UniProt:	Q9H4M9
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Monkey Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human 1. Haider, N. B., Searby, C., Galperin, E., Mintz, L., Horowitz, M., Stone, E. M., Sheffield, V. C. Evaluation and molecular characterization of EHD1, a candidate gene for Bardet-Biedl syndrome 1 (BBS1). Gene 240: 227-232, 1999. 2. Mintz, L., Galperin, E., Pasmanik-Chor, M., Tulzinsky, S., Bromberg, Y., Kozak, C. A., Joyner, A., Fein, A., Horowitz, M. EHD1--an EH-domain-containing protein with a specific expression pattern. Genomics 59: 66-76, 1999. 3. Naslavsky, N., Boehm, M., Backlund, P. S., Jr., Caplan, S. Rabenosyn-5 and EHD1 interact and sequentially regulate protein recycling to the plasma membrane. Molec. Biol. Cell 15: 2410-2422, 2004.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.