

Datasheet for ABIN6719599
anti-EHD1 antibody (AA 324-516)



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Overview

Quantity:	100 µg
Target:	EHD1
Binding Specificity:	AA 324-516
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EHD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Purpose:	Anti-EHD1 Antibody Picoband®
Immunogen:	E.coli-derived human EHD1 recombinant protein (Position: K324-E516).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EHD1 Antibody Picoband® (ABIN6719599). Tested in ELISA, Flow Cytometry, IF, IHC, IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. 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, 0.1-0.5 µg/mL
Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL
Immunohistochemistry (Frozen Section), 0.5-1 µg/mL
Immunocytochemistry/Immunofluorescence, 2 µg/mL
Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells
ELISA, 0.1-0.5 µg/mL
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-

Application Details

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.

Comment: Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.

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, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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.