Datasheet for ABIN7603043

anti-EHD2 antibody (Middle Region)

Go to Product page

Overview

Quantity:	100 µg
Target:	EHD2
Binding Specificity:	Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EHD2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-EHD2 Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human EHD2, which shares 100% and 95% amino acid (aa) sequence identity with mouse and rat EHD2, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-EHD2 Antibody Picoband® (ABIN7603043). Tested in WB applications. This antibody reacts with Human. 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:	EHD2
Alternative Name:	EHD2 (EHD2 Products)
Background:	Synonyms: Calretinin, CR, 29 kDa calbindin, CALB2, CAB29 Tissue Specificity: Brain. Background: EH-domain containing 2, also known as EHD2, is a human gene[5] belonging to the EHD protein family. 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.
Molecular Weight:	61 kDa
Gene ID:	30846
Pathways:	Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human 1. Daumke, O., Lundmark, R., Vallis, Y., Martens, S., Butler, P. J. G., McMahon, H. T. Architectural and mechanistic insights into an EHD ATPase involved in membrane remodelling. Nature 449: 923-927, 2007. 2. Guilherme, A., Soriano, N. A., Bose, S., Holik, J., Bose, A., Pomerleau, D. P., Furcinitti, P., Leszyk, J., Corvera, S., Czech, M. P. EHD2 and the novel EH domain binding protein EHBP1 couple endocytosis to the actin cytoskeleton. J. Biol. Chem. 279: 10593-10605, 2004. 3. Pohl, U., Smith, J. S., Tachibana, I., Ueki, K., Lee, H. K., Ramaswamy, S., Wu, Q., Mohrenweiser, H. W., Jenkins, R. B., Louis, D. N. EHD2, EHD3, and EHD4 encode novel members of a highly conserved family of EH domain-containing proteins. Genomics 63: 255-262, 2000.
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.