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Datasheet

CDH15 polyclonal antibody

Catalog Number: PAB3082

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of CDH15.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human CDH15.

Host: Rabbit

Reactivity: Human

Applications: IHC-P, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Protein A purification

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 1013

Gene Symbol: CDH15

Gene Alias: CDH14, CDH3, CDHM, MCAD

Gene Summary: This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation. [provided by RefSeq]

References:

1. Promyogenic members of the Ig and cadherin families associate to positively regulate differentiation. Kang JS, Feinleib JL, Knox S, Ketteringham MA, Krauss RS. Proc Natl Acad Sci U S A. 2003 Apr 1;100(7):3989-94. Epub 2003 Mar 12.
2. The cell adhesion molecule M-cadherin is not essential for muscle development and regeneration. Hollnagel A, Grund C, Franke WW, Arnold HH. Mol Cell Biol. 2002 Jul;22(13):4760-70.
3. Interaction of Galpha 12 and Galpha 13 with the cytoplasmic domain of cadherin provides a mechanism for beta -catenin release. Meigs TE, Fields TA, McKee DD, Casey PJ. Proc Natl Acad Sci U S A. 2001 Jan 16;98(2):519-24. Epub 2001 Jan 2.