

Datasheet

CDH1 monoclonal antibody (M01), clone 3F4

Catalog Number: H00000999-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant CDH1.

Clone Name: 3F4

Immunogen: CDH1 (NP_004351, 381 a.a. ~ 480 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

KGQVPENEANVVITTLKVTADAPNTPAWEAVYTILND
DGGQFVVTTNPVNNDGILKTAKGLDFEAKQQYILHVAV
TNVVPFEVSLTTSTATVTVDVLDV

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, PLA-Ce, S-ELISA, WB-Re, WB-Ti

(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

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 999

Gene Symbol: CDH1

Gene Alias: Arc-1, CD324, CDHE, ECAD, LCAM, UVO

Gene Summary: This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein

comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. [provided by RefSeq]

References:

1. Development of an AlphaLISA assay to quantify serum core-fucosylated E-cadherin as a metastatic lung adenocarcinoma biomarker. Wen CL, Chen KY, Chen CT, Chuang JG, Yang PC, Chow LP. J Proteomics. 2012 May 23.