

E-cadherin Monoclonal Antibody

Description

Product type Primary Antibody

Code BT-MCA0452

Host Mouse

Isotype IgG

Size 50ul, 100ul

Immunogen Purified recombinant fragment of human E-cadherin expressed in E. Coli.

Mol wt N/A

Species reactivity Human, Mouse, Monkey

Clonality Monoclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name Cadherin-1

Synonyms CDH1; CDHE; UVO; Cadherin-1; CAM 120; 80; Epithelial cadherin; E-cadherin; Uvomorulin; CD antigen

CD324

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

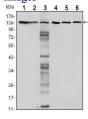
This gene encodes a classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium-dependent cell-cell adhesion protein is comprised 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 of this gene is thought to contribute to cancer progression 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. This gene is present in a gene cluster with other members of the cadherin family on chromosome 16.

Recommended Dilution

ELISA: 1:10000 WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using E-cadherin Monoclonal antibody against LNCAP (1)A431 (2) DU145 (3) PC-3 (4) PC-12 (5) and T47D(6) cell lysate.

Storage

-20°C for one year