

E-Cadherin Mouse monoclonal antibody

Catalog: MB9007

Host: Mouse

Reactivity: Human,mouse

BackGround:

E-cadherin (epithelial) is the most well-studied member of the cadherin family. It consists of 5 cadherin repeats (EC1 ~ EC5) in the extracellular domain, one transmembrane domain, and an intracellular domain that binds p120-catenin and beta-catenin. The intracellular domain contains a highly-phosphorylated region vital to beta-catenin binding and, therefore, to E-cadherin function. Loss of E-cadherin function or expression has been implicated in cancer progression and metastasis. E-cadherin downregulation decreases the strength of cellular adhesion within a tissue, resulting in an increase in cellular motility. This in turn may allow cancer cells to cross the basement membrane and invade surrounding tissues. E-cadherin is also used by pathologists to diagnose different kinds of breast cancer.

Product:

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 98, 130 kDa

Swiss-Prot:

P12830

Purification&Purity:

Protein A affinity purified

Applications:

WB: 1:500-1:1000 ICC: 1:200

IHC: 1:200 FC: 1:50-1:100

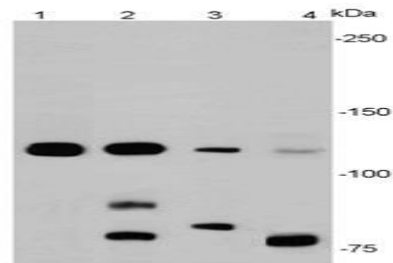
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

This antibody detects endogenous levels of E-Cadherin and does not cross-react with related proteins.

DATA:



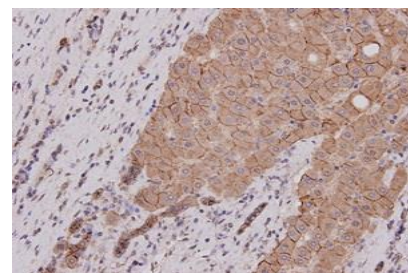
Western blot (WB) analysis of E-Cadherin Mouse mAb at 1:1000 dilution

Lane1:A431 whole cell lysate

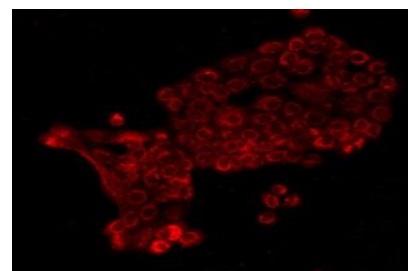
Lane2:SW480 whole cell lysate

Lane3:MCF7 whole cell lysate

Lane4:Hela whole cell lysate



Immunohistochemical analysis of paraffin-embedded human liver carcinoma tissue using E-Cadherin antibody. Counter stained with hematoxylin.



ICC staining E-Cadherin in A431 cells (red). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Note:

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151