

E-Cadherin Monoclonal Antibody

ORDERING INFORMATION

Catalog No.	Clone No.	Size
34060	G564.1	100ul

Format: Purified antibody in Tris buffer, pH 7.3-7.7, 1% BSA, <0.1% sodium azide.

BACKGROUND

E-cadherin is a calcium-dependent intercellular adhesion molecule encoded by the *CDH1* gene and present on epithelial cells. 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 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. When compared with invasive ductal carcinoma, E-cadherin expression is markedly reduced or absent in the great majority of invasive lobular carcinomas when studied by immunohistochemistry.

DESCRIPTION

Antigen: Recombinant human E-cadherin.

Accession No.: P12830

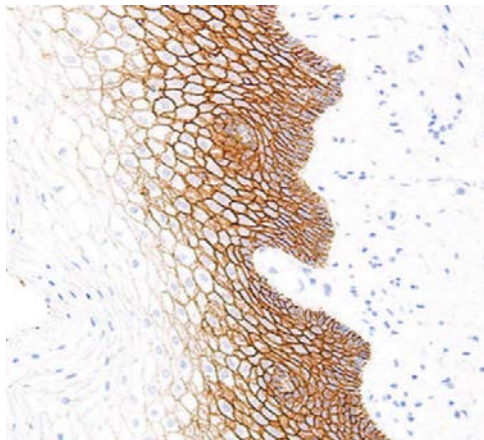
Host: Mouse

Antibody Subtype: IgG1

Specificity: Human E-cadherin. Reactivity with other species has not been investigated.

APPLICATIONS

Immunohistochemistry: use at a dilution of 1:100-1:200 on formalin-fixed, paraffin-embedded samples after heat-induced epitope retrieval at pH 9 for 10-30 minutes.



Detection of E-cadherin in human breast with #34060 diluted 1:100-1:200.

STORAGE AND STABILITY

Store at 2-8°C. Do not freeze.

For in vitro investigational use only. Not for use in diagnostic or therapeutic applications.