

E-Cadherin (ABT270) IHC kit

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| Catalog No : | IHCM6127 |
| Reactivity : | Human; |
| Applications : | IHC |
| Target : | E-cadherin |
| Fields : | >>Rap1 signaling pathway;>>Apelin signaling pathway;>>Hippo signaling pathway;>>Cell adhesion molecules;>>Adherens junction;>>Bacterial invasion of epithelial cells;>>Pathways in cancer;>>Endometrial cancer;>>Thyroid cancer;>>Melanoma;>>Bladder cancer;>>Gastric cancer |
| Gene Name : | CDH1 CDHE UVO |
| Protein Name : | Cadherin-1 (CAM 120/80) (Epithelial cadherin) (E-cadherin) (Uvomorulin) (CD antigen CD324) [Cleaved into: E-Cad/CTF1; E-Cad/CTF2; E-Cad/CTF3] |
| Human Gene Id : | 999 |
| Human Swiss Prot No : | P12830 |
| Immunogen : | Synthesized peptide derived from human E-Cadherin AA range: 700-800 |
| Specificity : | The antibody can specifically recognize E-cadherin protein. |
| Source : | Mouse, Monoclonal/IgG2b, kappa |
| Purification : | The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen. |
| Storage Stability : | 2°C to 8°C/1 year |
| 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. [provided by RefSeq, Nov 2015],

Function :

disease:Defects in CDH1 are a cause of gastric cancer [MIM:137215]; also known as hereditary familial diffuse gastric cancer (HDGC).,disease:Defects in CDH1 are a cause of susceptibility to endometrial cancer [MIM:608089].,disease:Defects in CDH1 are associated with ovarian cancer [MIM:167000]. Ovarian cancer is the leading cause of death from gynecologic malignancy. It is characterized by advanced presentation with loco-regional dissemination in the peritoneal cavity and the rare incidence of visceral metastases. These typical features relate to the biology of the disease, which is a principal determinant of outcome.,disease:Defects in CDH1 are involved in dysfunction of the cell-cell adhesion system, triggering cancer invasion (gastric, breast, ovary, endometrium and thyroid) and metastasis.,function:Cadherins are calcium dependent cell adhesion proteins.,function:Cadherins are calcium

Subcellular Location :

Membranous

Expression :

Non-neural epithelial tissues.

Products Images



Human Breast tissue was stained with E-cadherin (ABT270) Antibody