

Anti-E-Cadherin/Cadherin-1 Antibody (8U274)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8U274
Purification:	Protein A

Applications

Verified Activity:	1. Immunochemical staining of human E-cadherin in human skin with rabbit monoclonal Antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of epithelial cells.
	2. Immunochemical staining of human E-cadherin in human gastric cancer with rabbit monoclonal Antibody (1:200, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of epithelial cells.
	3. Immunofluorescence staining of CD324 in MCF7 cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-human CD324 monoclonal antibody (1:60) at 4°C overnight. Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue).
Application:	ICC/IF,IHC-P
Recommended	IHC-P: 1:100-1:500; ICC-IF: 1:20-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human E-cadherin / CDH1 / Cadherin-1 / E-Cad protein
Antigen Species:	Human
Synonyms:	CDH1;E-Cadherin;Arc-1;CD324;E-cad;UVO;LCAM;cadherin 1, type 1, E-cadherin (epithelial); CDHE;ECAD
Biology Area:	Hemangioblast Markers, Tumor Suppressors

Research Background

Cadherins are calcium-dependent cell adhesion proteins which preferentially interact with themselves in a homophilic manner in connecting cells, and thus may contribute to the sorting of heterogeneous cell type. E-cadherin (E-Cad), also known as CDH1 and CD324, is a calcium-dependent cell adhesion molecule the intact function of which is crucial for the establishment and maintenance of epithelial tissue polarity and structural integrity. Mutations in CDH1 occur in diffuse type gastric cancer, lobular breast cancer, and endometrial cancer. In human cancers, partial or complete loss of E-cadherin expression correlates with malignancy. During apoptosis or

A DRUG SCREENING EXPERT

calcium influx, E-Cad is cleaved by the metalloproteinase to produce fragments of about 38 kDa (E-CAD/CTF1), 33 kDa (E-CAD/CTF2) and 29 kDa (E-CAD/CTF3), respectively. E-Cad has been identified as a potent invasive suppressor, as downregulation of E-cadherin expression is involved in dysfunction of the cell-cell adhesion system, and often correlates with strong invasive potential and poor prognosis of human carcinomas.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481