

Anti-CDH1 Antibody (1P971)

Product Details

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| Ig Type: | Rabbit IgG |
| Reactivity: | Human |
| Conjugation: | Unconjugated |
| Clone: | 1P971 |
| Purification: | Affinity-chromatography |

Applications

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| Verified Activity: | IHC image of TMAH-00245 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica Bond TM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB. |
| Application: | ELISA, IHC |
| Recommended | IHC:1:50-1:200. |

Properties

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| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping: | Shipping with blue ice. |

Antigen Details

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| Immunogen: | A synthetic peptide: Human E Cadherin |
| Antigen Species: | Human |
| Gene ID: | 999 |
| Uniprot ID: | P12830 |
| Synonyms: | LCAM;CD324;ECAD;E-Cadherin;CDH1;Arc-1;CDHE;E-cad;cadherin 1, type 1, E-cadherin (epithelial);UVO |
| Biology Area: | Cancer, Developmental biology, Signal transduction |

Research Background

Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH1 is involved in mechanisms regulating cell-cell adhesions, mobility and proliferation of epithelial cells. Has a potent invasive suppressor role. It is a ligand for integrin alpha-E/beta-7. E-Cad/CTF2 promotes non-amyloidogenic degradation of Abeta precursors. Has a strong inhibitory effect on APP C99 and C83 production. (Microbial infection) Serves as a receptor for *Listeria monocytogenes*; internalin A (InIA) binds to this protein and promotes uptake of the bacteria.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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