



Rabbit anti Cadherin-E Polyclonal Antibody

Alternative Name(s): cadherin 1, type 1, E-cadherin (epithelial); UVO; CDHE; ECAD; LCAM; Arc-1; BCDS1; CD324

Order Information

- **Description:** Cadherin-E
- **Catalogue:** 500-3464
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A synthetic pepitde of E-Cadherin

BACKGROUND

Cadherins comprise a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin-6), R-cadherin, B-cadherin, E/P cadherin and cadherin-5. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH2 terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy terminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as β -catenin, to regulate cadherin function. This antibody is suitable for the detection of the E-cadherin protein of mouse, rat and human origin

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Cadherin-E. The other species not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

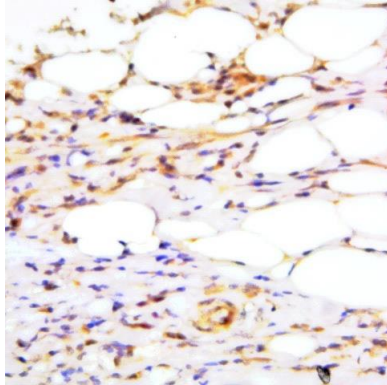
- Western Blot: 0.1-1 μ g/ml
- ELISA: 0.01-0.1 μ g/ml
- Immunoprecipitation: 2-5 μ g/ml
- IHC: 2-10 μ g/ml
- Flow cytometry: Not tested
- Molecular Weight: 110.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human Breast carcinoma (FFPE) stained with Rabbit anti-Cadherin E (Cat# 500-3464) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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