

## Anti-CDH1/E-cadherin/CD324 Antibody

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature  
Store at -20°C

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Anti-CDH1/E-cadherin/CD324 Antibody is a monoclonal antibody targeting E-cadherin (encoded by the CDH1 gene). E-cadherin is a calcium-dependent cell adhesion molecule essential for maintaining the structural integrity and polarity of epithelial cells. By specifically binding to the extracellular domain of E-cadherin, this antibody is frequently utilized to study cell-cell adhesion mechanisms, the epithelial-mesenchymal transition (EMT) process, and tumor invasion and metastasis. In various cancers, the downregulation or loss of E-cadherin is considered a key hallmark of malignant progression and metastasis.
Targets(IC50)	Cadherin
In vitro	In immunofluorescence studies, Anti-CDH1/E-cadherin/CD324 Antibody showed strong and specific reactivity with epithelial tissues, such as the lining of the intestine and kidney tubules, localizing primarily to the cell-cell interface of the plasma membrane [1].
In vivo	In mouse embryo assays, the addition of Anti-CDH1/E-cadherin/CD324 Antibody (anti-uvomorulin) to 8-cell stage embryos caused complete decompaction within 2-4 hours, demonstrating that the antibody effectively disrupts the calcium-dependent cell-cell adhesion required for blastocyst formation [1].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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