

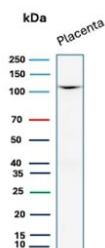
## Recombinant CDH1 Antibody / E-Cadherin [clone rCDH1/7352] (V4435)

Catalog No.	Formulation	Size
V4435-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4435-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4435SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

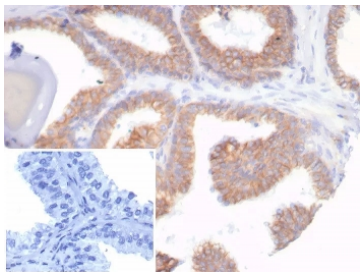
Recombinant **MOUSE MONOCLONAL**

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<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Recombinant Mouse Monoclonal
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	rCDH1/7352
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P12830
<b>Localization</b>	Cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT Western Blot : 2-4ug/ml
<b>Limitations</b>	This recombinant CDH1 antibody is available for research use only.



Western blot testing of human placental tissue lysate with recombinant CDH1 antibody. Expected molecular weight: 135 kDa (precursor), 80-120 kDa (mature, depending on glycosylation level).



IHC staining of FFPE human prostate carcinoma tissue with recombinant CDH1 antibody (clone rCDH1/7352). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

Recognizes a protein of 120-80kDa, identified as E-cadherin. Cadherins comprise a family of  $\text{Ca}^{2+}$ -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH<sub>2</sub> terminal repeats. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as Beta-catenin, to regulate cadherin function. E-cadherin plays an important role in epithelial cell adhesion. A decreased expression of E-cadherin is associated with metastatic potential and poor prognosis in breast cancer, prostate and esophageal cancer. In combination with p120 Catenin, it is useful for the differentiation between ductal (E-cadherin +) and lobular (E-cadherin -) breast carcinomas. It may also help in diagnosis of mesothelioma.

## Application Notes

Optimal dilution of the recombinant CDH1 antibody should be determined by the researcher.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant CDH1 antibody.

## Storage

Aliquot the recombinant CDH1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.