# E Cadherin Rabbit mAb

Catalog No: #48801

Package Size: #48801-1 50ul #48801-2 100ul

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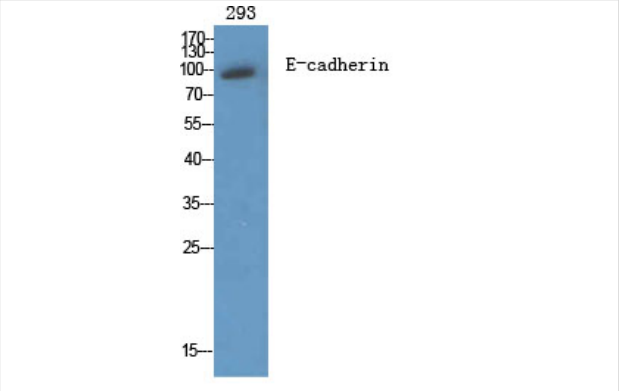
## Description

| | |
|---|---|
| Product Name | E Cadherin Rabbit mAb |
| Host Species | Recombinant Rabbit |
| Clonality | Monoclonal antibody |
| Isotype | Rabbit IgG |
| Purification | Affinity-chromatography |
| Applications | WB;IHC;ICC/IF;FC |
| Species Reactivity | Human |
| Immunogen Description | A synthesized peptide derived from human E Cadherin |
| Conjugates | Unconjugated |
| Target Name | CDH1 |
| Other Names | Arc1;Cadherin 1;CAM 120/80;CD324;CDHE;E-Cad/CTF3;ECAD;Epithelial cadherin ;LCAM;Uvomorulin;CDH1 |
| Accession No. | P12830 |
| Calculated MW | 97 kDa |
| SDS-PAGE MW | 135 kDa |
| Formulation | Rabbit IgG in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at +4°C for short term. Store at -20°C for long term. Avoid freeze/thaw cycle. |

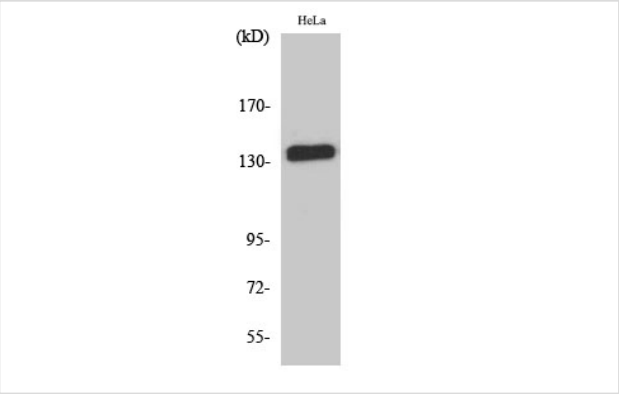
## Application Details

WB 1:1000-1:5000 IHC 1:100-1:200 ICC/IF 1:50-1:200 FC 1:20-1:100

## Images




Western Blot analysis of 293 cells using E-cadherin Polyclonal Antibody diluted at 1:2000




Western Blot analysis of HeLa cells using E-cadherin Polyclonal Antibody diluted at 1:2000

## 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.

## References

1. Su B et al. Diallyl disulfide suppresses epithelial-mesenchymal transition, invasion and proliferation by downregulation of LIMK1 in gastric cancer. Oncotarget 7:10498-512 (2016).
2. Schmidt TP et al. Identification of E-cadherin signature motifs functioning as cleavage sites for Helicobacter pylori HtrA. Sci Rep 6:23264 (2016).

## Published Papers

el at., PD-L1 Expression Is Regulated By NF-κB DurIng EMT SignalIng In Gastric CarcInoma. In Onco Targets Ther on 2019 Nov 25 by Xu D, Li J, et al..PMID:31819504, , (2019)

PMID:31819504

Note: This product is for in vitro research use only and is not intended for use in humans or animals.