

E Cadherin Rabbit mAb

Catalog No: #48801



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

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

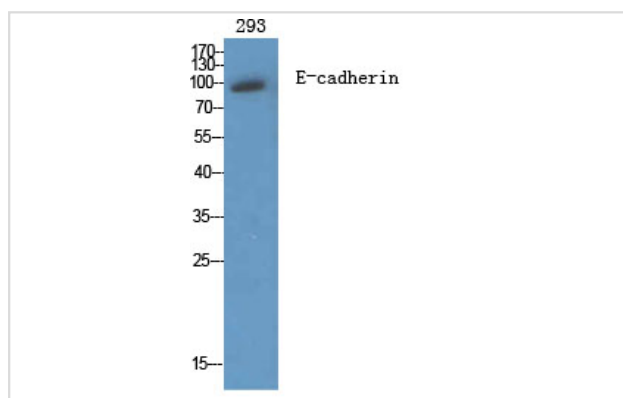
Description

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.

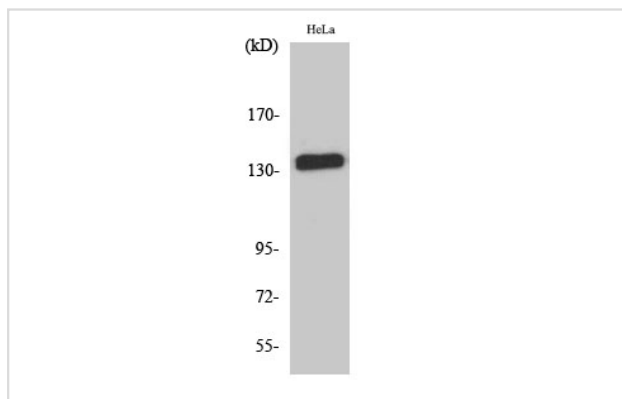
Application Details

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 Ca^{2+} -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

et al., PD-L1 Expression Is Regulated By NF- κ B During EMT Signalling 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.