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Name:CDH1 (E Cadherin) mouse monoclonal antibody, Clone 3E2
Product Data Sheet - TRUEMAB

Catalog: TA800670

Components:
- CDH1 (E Cadherin) mouse monoclonal antibody, Clone 3E2 (TA800670)
- 1 vial of 20ug myc-DDK tagged CDH1 HEK293T over-expression lysate lyophilized in RIPA buffer (LC401389). (Reconsitute into 20ul of 1x SDS sample buffer before loading; load 5ul per lane as WB control or as desired)

Amount: 100ul

Immunogen: Full length human recombinant protein of human CDH1 (NP_004351) produced in HEK293T cell.

Host: Mouse

Isotype: IgG1

Species Reactivity: Human

Guaranteed Applications: WB, IHC

Suggested Dilutions: WB 1:2000, IHC 1:150,

Concentration: 1.00 mg/ml

Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification: Purified from mouse ascites fluids by affinity chromatography

Storage Condition: Shipped at -20C. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary.
Stable for 12 months from date of receipt.
Avoid repeated freeze-thaws.

Target

Target Name: Homo sapiens cadherin 1, type 1, E-cadherin (epithelial) (CDH1)

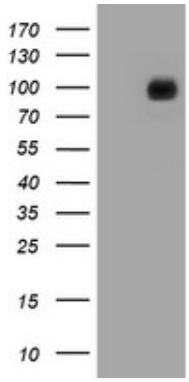
Alternative Name: Arc-1; CD324; CDHE; ECAD; LCAM; UVO

Database Link: NP_004351

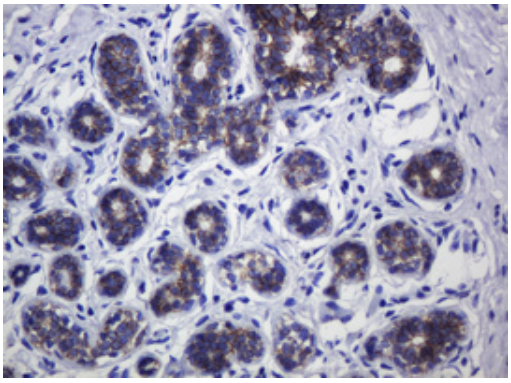
Function: This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Mutations in this gene are correlated with gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute to progression in cancer by increasing proliferation, invasion, and/or metastasis. The ectodomain of this

protein mediates bacterial adhesion to mammalian cells and the cytoplasmic domain is required for internalization. Identified transcript variants arise from mutation at consensus splice sites. [provided by RefSeq, Jul 2008].

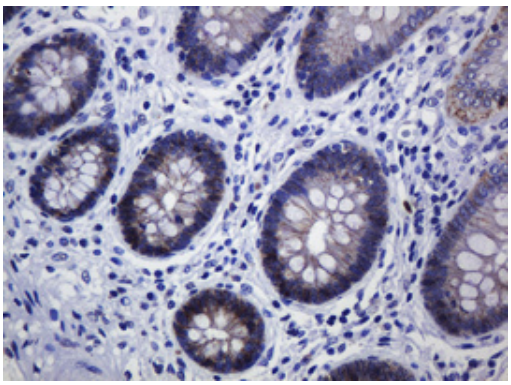
Validation Data



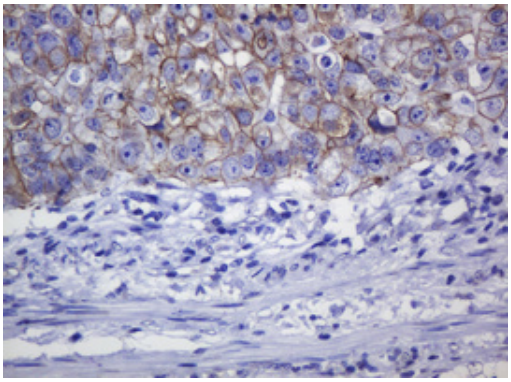
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CDH1 (RC220731, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CDH1.



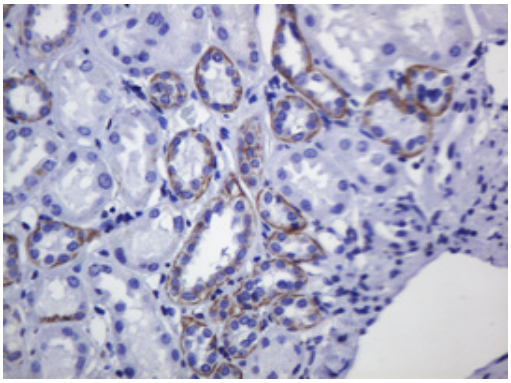
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



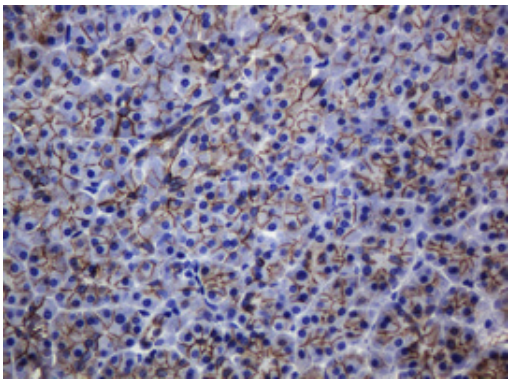
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



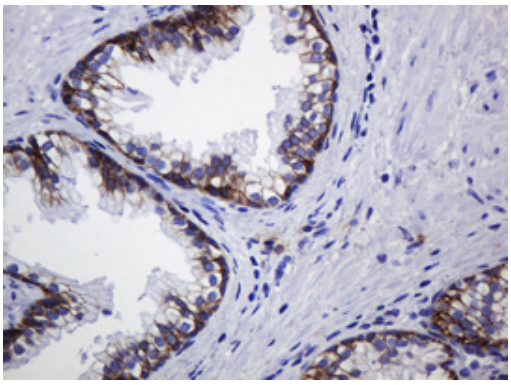
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



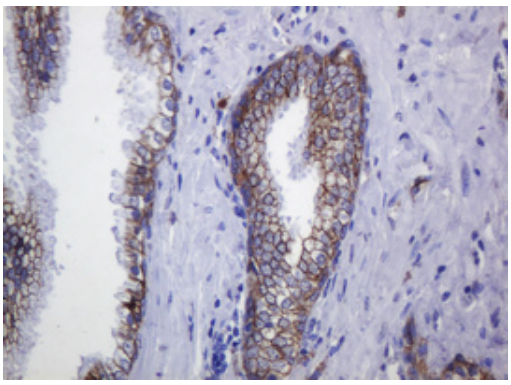
Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)

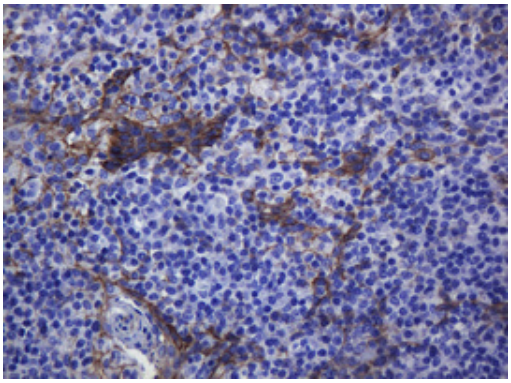


Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)

Immunohistochemical staining of paraffin-embedded Human tonsil using anti-CDH1 mouse monoclonal antibody. (Heat-induced epitope retrieval by Tris-EDTA, pH8.0, TA800670)



* More validation images may be available on our website: http://www.origene.com/antibody/TA800670.aspx