

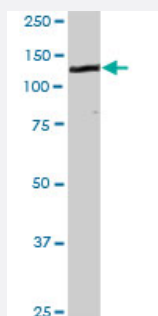
MaxPab®

CDH1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000999-D01P

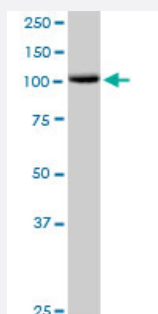
Size 100 ug

Applications



Western Blot (Tissue lysate)

CDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CDH1 expression in human pancreas.



Western Blot (Tissue lysate)

CDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CDH1 expression in mouse lung.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human CDH1 protein.

Immunogen

CDH1 (ENSP00000261769, 1 a.a. ~ 882 a.a) full-length human protein.

Sequence

MGPWSRSLSALLLLLQVSSWLCQEPEPCHPGFDAESYFTVPRRHLEGRVLGRVNFEDCTGR
QRTAYFSLDTRFKVGTGDIVTKRPLRFHNPQIHFLVYAWDSTYRKFKSTKVTNLNTVGHHRPPPHQ
ASVSGIQAELLTFPNSSPGLRRQKRDWVIPPISCPENEKGPFPKNLVQIKSNKDKEGKVFYSITGQ
GADTPPVGVFIIERETGWLKVTEPLDRERIATYTLFSHAVSSNGNAVEDPMEILITVTDQNDNKPEF
TQEVFKGSMEGALPGTSVMEVTATDADDDVNTYNAAIYILSQDPELPDKNMFTINRNTGVISV
VTTGLDRESFPTYTLVVQAADLQGEGLSTTATAVITVTDNDNPPIFNPTTYKGQVPENEANVVITL
KVTADADAPNTPAWEAVYILNDDGGQFVVTNPVNNDGILKTAKGLDFEAKQYILHVAVTNVVPF
EVSLTTSTATVTVDVLDVNEAPIFVPPEKRVEVSEDFGVGQEITSYTAQEPDTFMEQKITYRWRDT
ANWLEINPDTGAISTRAELDREDFEHVKNSTYALIIATDNGSPVATGTGTLILLSDVNDNAPIPEPR
TIFFCERNPKPQVINIIDADLPNTSPFTAELTHGASANWTIQYNDPTQESIILKPKMALEVGDYKINL
KLMDNQNKDQVTLEVSVCDEGAAGVCRKAQPVEAGLQIPAILGILGGILALLILLLLLFLRRRA
VVKEPLLPPEDDTRDNVYYYDEEGGGEEDQDFDLSQLHRGLDARPEVTRNDVAPTLMSPRYLP
RPANPDEIGNFIDENLKAADTDPTAPPYDSSLVFDYEGSGSEAASLSSLNSESDDKDQDYDYLNE
WGNRFKKLADMYGGGEDD

Host

Rabbit

Reactivity

Human, Mouse

Quality Control Testing

Antibody reactive against mammalian tissue lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

CDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CDH1 expression in human pancreas.

[Protocol Download](#)

- Western Blot (Tissue lysate)

CDH1 MaxPab rabbit polyclonal antibody. Western Blot analysis of CDH1 expression in mouse lung.

[Protocol Download](#)

Gene Info — CDH1

Entrez GeneID

[999](#)

GeneBank Accession#

[NM_004360](#)

Protein Accession#

[ENSP00000261769](#)

Gene Name

CDH1

Gene Alias	Arc-1, CD324, CDHE, ECAD, LCAM, UVO
Gene Description	cadherin 1, type 1, E-cadherin (epithelial)
Omim ID	137215 192090
Gene Ontology	Hyperlink
Gene Summary	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 trans membrane 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]
Other Designations	cadherin 1, E-cadherin (epithelial) cadherin 1, type 1 calcium-dependent adhesion protein, epithelial cell-CAM 120/80 uvomorulin

Publication Reference

- [Overexpressed Gα13 activates serum response factor through stoichiometric imbalance with Gβγ and mislocalization to the cytoplasm.](#)

Sharmin Hasan, Nicholas F White, Alicia C Tagliatela, R Taylor Durall, Katherine M Brown, Gray R McDiarmid, Thomas E Meigs.

Cellular Signalling 2023 Feb; 102:110534.

Application: WB-Tr, Human, HEK293 cells

- [Transcription factor Snai1-1 induces osteosarcoma invasion and metastasis by inhibiting E-cadherin expression.](#)

Yang H, Zhang Y, Zhou Z, Jiang X, Shen A.

Oncology Letters 2014 Jul; 8(1):193.

Application: WB, Human, SaOS2 cells

- [Development of an AlphaLISA assay to quantify serum core-fucosylated E-cadherin as a metastatic lung adenocarcinoma biomarker.](#)

Wen CL, Chen KY, Chen CT, Chuang JG, Yang PC, Chow LP.

Journal of Proteomics 2012 Jul; 75(13):3963.

Application: ELISA, Func, Human, Serum of lung adenocarcinoma patients

Pathway

- [Adherens junction](#)
- [Bladder cancer](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Endometrial cancer](#)
- [Melanoma](#)
- [Pathogenic Escherichia coli infection - EHEC](#)
- [Pathways in cancer](#)
- [Thyroid cancer](#)

Disease

- [Adenocarcinoma](#)
- [Asthma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)

- [Head and Neck Neoplasms](#)
- [Helicobacter Infections](#)
- [Hepatitis B](#)
- [Infant](#)
- [Kidney Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Leiomyoma](#)
- [Liver Neoplasms](#)
- [Low Tension Glaucoma](#)
- [Lung Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mouth Neoplasms](#)
- [Nasopharyngeal Neoplasms](#)
- [Neoplasm Invasiveness](#)
- [Neoplasm Metastasis](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Neoplastic Syndromes](#)
- [Obesity](#)
- [Ocular Hypertension](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)

- [Pharyngeal Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Hyperplasia](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Stomach Neoplasms](#)
- [Tooth Abnormalities](#)
- [Ureteral Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Calculi](#)
- [Urologic Neoplasms](#)
- [Uterine Neoplasms](#)
- [Werner syndrome](#)