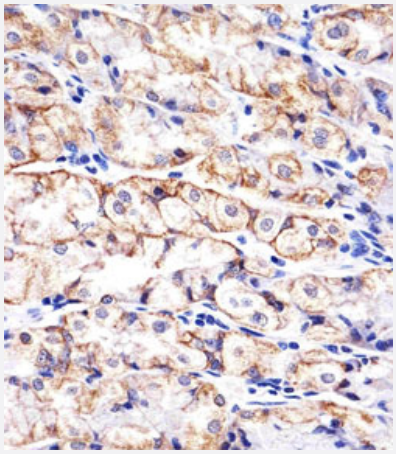
CDH1 monoclonal antibody, clone 813CT11.1.3

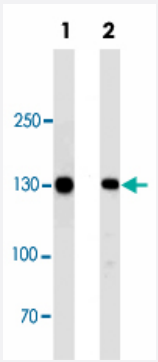
Catalog # MAB12331 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded human stomach section reacted with CDH1 monoclonal antibody (Cat # MAB12331) at 1:25 dilution.



Western Blot

Western blot analysis of Lane 1: WiDr cell line lysates Lane 2: mouse stomach tissue lysates reacted with CDH1 monoclonal antibody (Cat # MAB12331) at 1:1000 dilution.

Specification

Product Description	Mouse monoclonal antibody raised against human CDH1.
Immunogen	Recombinant His fusion protein corresponding to human CDH1.
Host	Mouse
Reactivity	Human, Mouse
Form	Liquid

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Purification	Protein G purification
Isotype	IgG1, kappa
Recommend Usage	Immunohistochemistry (1:25) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of paraffin-embedded human stomach section reacted with CDH1 monoclonal antibody (Cat # MAB12331) at 1:25 dilution.

- Western Blot

  Western blot analysis of Lane 1: WiDr cell line lysates Lane 2: mouse stomach tissue lysates reacted with CDH1 monoclonal antibody (Cat # MAB12331) at 1:1000 dilution.

Gene Info — CDH1

Entrez GeneID	999
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

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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 w ith gastric, breast, colorectal, thyroid and ovarian cancer. Loss of function is thought to contribute t o 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 re quired for internalization. Identified transcript variants arise from mutation at consensus splice site s. [provided by RefSeq
Other Designations	cadherin 1, E-cadherin (epithelial)|cadherin 1, type 1|calcium-dependent adhesion protein, epithel ial|cell-CAM 120/80|uvomorulin

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

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- 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

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- 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

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