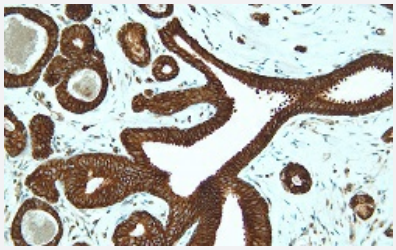
# CDH1 monoclonal antibody, clone N20-D

Catalog # MAB23315 Size 100 uL

## Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human breast cancer with CDH1 monoclonal antibody, clone N20-D (Cat # MAB23315).

## Specification

| | |
|---|---|
| **Product Description** | Rabbit monoclonal antibody raised against synthetic peptide of human CDH1. |
| **Immunogen** | A synthetic peptide corresponding to amino acids 864-879 at C-terminus of human CDH1. |
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | immunoaffinity purification |
| **Recommend Usage** | Immunohistochemistry (1:100-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In 20 mM Tris-HCl buffer, pH 8.0 (20 mg/mL BSA, 0.05% Sodium Azide). |
| **Storage Instruction** | Store at 4°C. Do not freeze. |
| **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 (Formalin-fixed paraffin-embedded sections) of human breast cancer with CDH1 monoclonal antibody, clone N20-D (Cat # MAB23315).

## Gene Info — CDH1

| | |
|---|---|
| **Entrez GeneID** | 999 |
| **Protein Accession#** | P12830 |
| **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 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
- 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