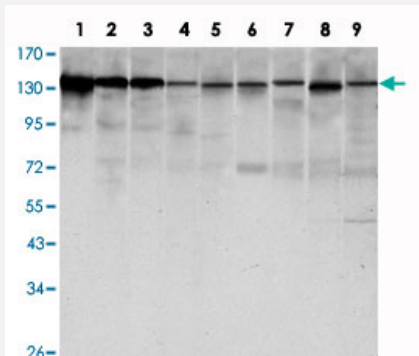


CDH1 monoclonal antibody, clone 7H12

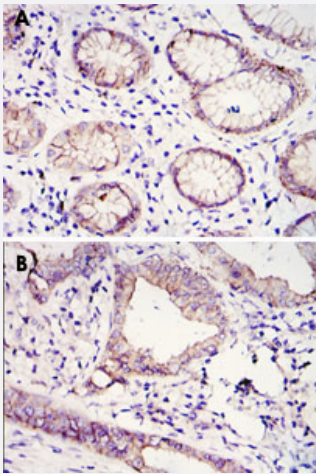
Catalog # MAB10546 Size 100 uL

Applications



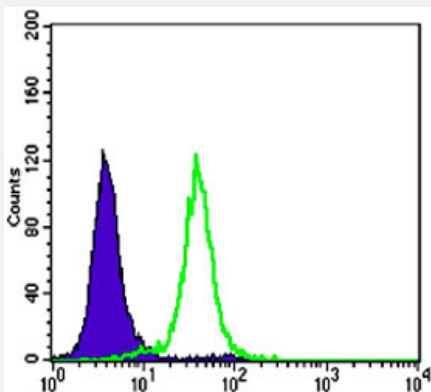
Western Blot (Cell lysate)

Western blot analysis using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) against LNCAP (1), A-431 (2), DU145 (3), PC-3 (4), MCF-7 (5), PC-12 (6), NIH/3T3 (7), C6 (8) and COS-7 (9) cell lysate.



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

Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues (A) and lung cancer tissues (B) using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) with DAB staining.



Flow Cytometry

Flow cytometric analysis of HeLa cells using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant CDH1.
Immunogen	Recombinant protein corresponding to human CDH1.
Host	Mouse
Theoretical MW (kDa)	135
Reactivity	Human, Monkey, Mouse
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) against LNCAP (1), A-431 (2), DU145 (3), PC-3 (4), MCF-7 (5), PC-12 (6), NIH/3T3 (7), C6 (8) and COS-7 (9) cell lysate.

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

Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues (A) and lung cancer tissues (B) using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of HeLa cells using CDH1 monoclonal antibody, clone 7H12 (Cat # MAB10546) (green) and negative control (purple).

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](#)

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

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](#)