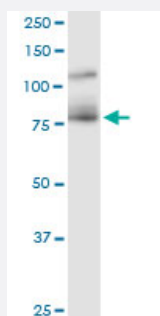


CDH11 monoclonal antibody (M02), clone 1H1

Catalog # H00001009-M02

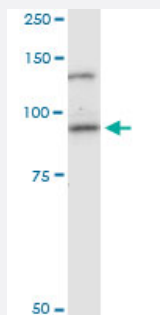
Size 100 ug

Applications



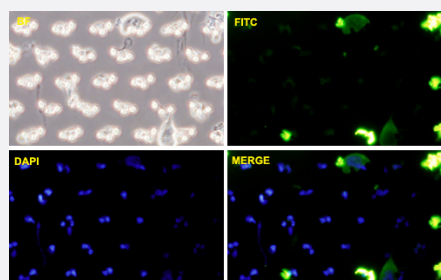
Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M02), clone 1H1. Western Blot analysis of CDH11 expression in human kidney.



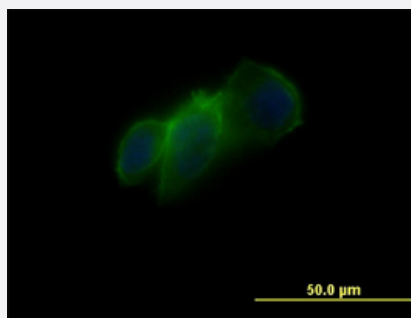
Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M02), clone 1H1. Western Blot analysis of CDH11 expression in human ovarian cancer.



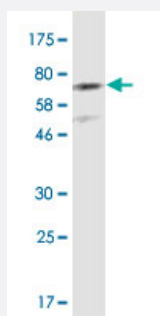
Immunofluorescence (Circulating Tumor Cell)

PC3-MM2 cells were stained with CDH11-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).



Immunofluorescence

Immunofluorescence of monoclonal antibody to CDH11 on PC3-MM2 cell.
[antibody concentration 10 ug/ml]



Western Blot detection against CHD11-His tag (61.49 KDa).

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CDH11.
Immunogen	CDH11 (P55287, 54 a.a. ~ 612 a.a) partial recombinant protein with Fc tag at C terminal. MW of the Fc tag alone is 50 KDa.
Sequence	GWVWNQFFVIEEYTGPDPLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTL DREE RAQYTLMAQAVDRD TNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDA DDPTYGNSAKLVYSILEGQPYFSVEAQTGIIRTALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTT KVMITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAKDPDIGENGLVTYNVDGDGMESF EITTDYETQEGVIKLLKPVDFETKRAYSLKVEAANVHIDPKFISNGPFKDTVTVKIAVEDADEPPMF LAPSYIHEVQENAAAGTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREE TAWLNITVFAAEIHNHRHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPMVTISADD KDDTANGPRFIFSLPPEIIHNPNFTVRDNRDNTAGVYARRGGFSRQKQDLYLLPMISDGGIPPMSSST NLTIKVCGC DVNGALLSCNAEAYILN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against CHD11-His tag (61.49 KDa).

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)

CDH11 monoclonal antibody (M02), clone 1H1. Western Blot analysis of CDH11 expression in human kidney.

[Protocol Download](#)

- Western Blot (Tissue lysate)

CDH11 monoclonal antibody (M02), clone 1H1. Western Blot analysis of CDH11 expression in human ovarian cancer.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence (Circulating Tumor Cell)

PC3-MM2 cells were stained with CDH11-FITC labeled monoclonal antibody (Green). The cell nucleus were counterstained with DAPI (Blue).

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CDH11 on PC3-MM2 cell. [antibody concentration 10 ug/ml]

Gene Info — CDH11

Entrez GeneID[1009](#)**GeneBank Accession#**[BC013609.1](#)**Protein Accession#**[P55287](#)**Gene Name**

CDH11

Gene Alias

CAD11, CDHOB, OB, OSF-4

Gene Description

cadherin 11, type 2, OB-cadherin (osteoblast)

Omim ID [600023](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance. [provided by RefSeq]

Other Designations OB-cadherin|cadherin 11, type 2|cadherin-11|osteoblast cadherin

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Laryngeal Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Mouth Neoplasms](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pharyngeal Neoplasms](#)
- [Tobacco Use Disorder](#)