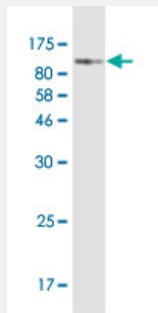


CDH11 monoclonal antibody (M25), clone 2C67

Catalog # H00001009-M25

Size 100 ug

Applications



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

GWVWNQFFVIEEYTGPDVVLVGR LHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTL DREE
RAQYTLMAQAVDRD TNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDA
DDPTYGNSAKLVYSILEGQPYFSVEAQTGIIR TALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTT
KVMITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAKDPDIGENGLVTYNIVDGDGMESF
EITTDYETQEGVIK LKKPVD FETKRAYSLKVEAANVHIDPKFISNGPFDKDTVT VKIAVEDADEPPMF
LAPSYIHEVQENAAA GTVVGRVHAKDPDAANSPIRYSIDRHTDLDRFFTINPEDGFIKTTKPLDREE
TAWLNITVFAAEIHN RHQEAKVPVAIRVLDVNDNAPKFAAPYEGFICESDQTKPLSNQPNVTISADD
KDDTANGPRFIFSLPPEIHNPNFTVRDNRDNTAGVYARRGGFSRQKQDLYLLPMISDGGIPPMSSST
NTLTIKVC GCDVNGALLSCNAEAYLN

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 (Recombinant protein)

[Protocol Download](#)

- ELISA

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

Publication Reference

- [Monospecific antibody targeting of CDH11 inhibits epithelial-to-mesenchymal transition and represses cancer stem cell-like phenotype by up-regulating miR-335 in metastatic breast cancer, in vitro and in vivo.](#)

Chen JH, Huang WC, Bamodu OA, Chang PM, Chao TY, Huang TH.

BMC Cancer 2019 Jun; 19(1):634.

Application: WB-Ce, WB-Tr, Human, Cancer-associated fibroblasts, MCF-7, MDA-MB-231 cells

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
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