



Anti-CDH11 monoclonal antibody, clone 2E9 (DCABH-10949)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	CDH11 (P55287, 54 a.a. ~ 612 a.a) partial recombinant protein with GST tag.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2E9
Conjugate	Unconjugated
Applications	Western Blot (Recombinant protein); ELISA
Sequence Similarities	GWVWNQFFVIEEYTGPDVPLVGRRLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHAT KTLDREERAQYTLMAQAVDRDTNRPLEPPSEFIVKVQDINDNPPEFLHETYHANVPERSN VGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSVEAQGTGIIRTPALPNMDREAKEYEH VVIQAKDMGGHMGGLSGTTKVMITLTDVNDNPPKFPQSVYQMSVSEAAVPGEEVGRVKAK DPDIGENGLVTYNIV
Buffer	In 1x PBS, pH 7.4

Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CDH11 cadherin 11, type 2, OB-cadherin (osteoblast) [Homo sapiens]
Official Symbol	CDH11
Synonyms	CDH11; cadherin 11, type 2, OB-cadherin (osteoblast); cadherin-11; CAD11; OB; OB Cadherin; CDHOB; OSF-4;
Entrez Gene ID	1009
Protein Refseq	NP_001788
UniProt ID	P55287
Chromosome Location	16q21
Pathway	Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;
Function	calcium ion binding;