

N-cadherin Recombinant Antibody | CDH2 recombinant antibody

Anti-N-cadherin [8C11], Rabbit IgG, kappa

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72527	Rabbit	Human, Rabbit, Hamster	Flow Cytometry, Functional Assay, Immunohistochemistry, Immunofluorescence, Western Blot

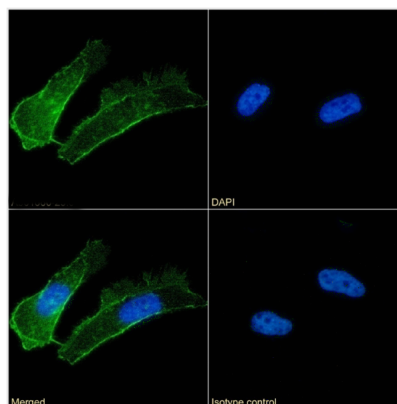
PRODUCT SYNONYMS

N-cadherin; Monoclonal Recombinant Antibody; Anti-N-cadherin [8C11]; Rabbit IgG; kappa; CD325; Cadherin-2; CDw325; Neural cadherin; n-cadherin; ncadherin; CDH2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rabbit, Hamster
Clonality	Monoclonal
Isotype	Rabbit IgG kappa
Clone Number	8C11
Specificity	This antibody recognizes human, rabbit and hamster extracellular domain of N-cadherin. It does not cross react with this protein in mouse, rat cow and pig. N-cadherin is a calcium-dependent cell adhesion protein.
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for CDH2 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), IF (Immunofluorescence), WB (Western Blot)
Chimeric Use Statement	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of fixed HeLa cells with anti-desmoglein-3 antibody 5G11 (AAA72527). Immunofluorescence analysis of paraformaldehyde fixed A431 cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of HeLa cells (AAA72527) at 10 µg/ml for 1 h followed by Alexa Fluor 488 secondary antibody (2 µg/ml), showing membrane staining. The nucleus is stained DAPI (blue). Panel bottom AAA72527, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.



WB (Western Blot)

Western Blot using anti-N-cadherin antibody 8C11 (AAA72527). Human brain (cerebellum) tissue lysate (35 µg protein in RIPA buffer) was resolved on a 4-20% SDS-PAGE gel and blots were probed with the chimeric rabbit version of 8C11 (AAA72527) at 1 µg/ml. Rabbit secondary antibody. A primary incubation of 1 h was used and protein was detected by chemiluminescence.

ADDITIONAL INFORMATION

Related Product Information for CDH2 recombinant antibody	This antibody was raised by immunizing mice with an extracellular domain of the recombinant human N-cadherin.
References	Kim et al. N-Cadherin extracellular repeat 4 mediates epithelial to mesenchymal transition and increased motility. J Cell Biol. 2000 Dec 11;151(6):1193-206. N/A11121435 Note on publication: This article describes the generation and characterization of the antibody 8C11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
NCBI GenBank Nucleotide #	NM_001792.3
UniProt Accession #	P19022; Q14923; Q8N173; B0YIY6
Molecular Weight	99,809 Da
NCBI Official Full Name	cadherin-2 preproprotein
NCBI Official Synonym Full Names	cadherin 2, type 1, N-cadherin (neuronal)
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
NCBI Protein Information	cadherin-2; N-cadherin 1; neural cadherin; neural-cadherin; cadherin 2, N-cadherin (neuronal); calcium-dependent adhesion protein, neuronal
UniProt Protein Name	Cadherin-2
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin
UniProt Entry Name	CADH2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

