

Rabbit CDH4 Polyclonal Antibody | anti-CDH4 antibody

CDH4 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284243	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Western Blot, Immunofluorescence, Immunohistochemistry, ELISA

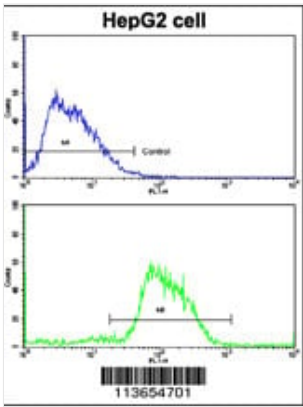
PRODUCT SYNONYMS

CDH4; Polyclonal Antibody; CDH4 Antibody (N-term); Cadherin-4; Retinal cadherin; R-CAD; R-cadherin; anti-CDH4 antibody

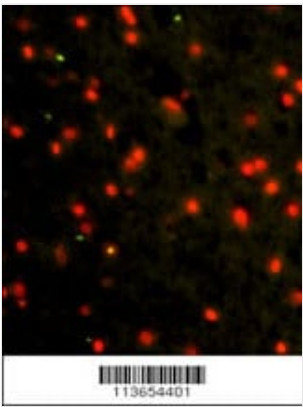
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDH4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 175-203 amino acids from the N-terminal region of human CDH4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	175-203
Sequence Length	842
Applicable Applications for anti-CDH4 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



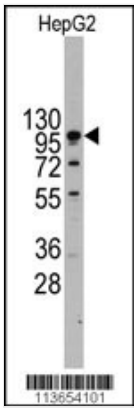
FCM/FACS (Flow Cytometry)
Flow cytometric analysis of HepG2 cells using CDH4 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)
Immunofluorescence analysis of CDH4 Antibody (N-term) Antibody with paraffin-embedded human brain tissue. 0.025 mg/ml primary antibody was followed by FITC-conjugated goat anti-rabbit IgG (whole molecule). FITC emits green fluorescence.Red counterstaining is PI.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with CDH4 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of anti-CDH4 Antibody (N-term) (RB13654) in HepG2 cell line lysates (35ug/lane). CDH4(arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH4 antibody	CDH4 is a classical cadherin from the cadherin superfamily. It is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization.
Product Categories/Family for anti-CDH4 antibody	Cancer; Neuroscience; Signal transduction
References	Miotto,E., Cancer Res. 64 (22), 8156-8159 (2004) Johnson,E., J. Biol. Chem. 279 (30), 31041-31049 (2004) Kitagawa,M., Biochem. Biophys. Res. Commun. 271 (2), 358-363 (2000)

NCBI AND UNIPROT INFORMATION

NCBI GI #	356640221
NCBI GeneID	1002

NCBI Accession #	NP_001239267.1; NP_001239268.1; NP_001785.2
NCBI GenBank Nucleotide #	NM_001252338.2
UniProt Accession #	P55283; Q2M208; Q5VZ44; Q9BZ05; B3KWB8; G3V1P8
Molecular Weight	100281
NCBI Official Full Name	cadherin-4 isoform 2
NCBI Official Synonym Full Names	cadherin 4, type 1, R-cadherin (retinal)
NCBI Official Symbol	CDH4
NCBI Official Synonym Symbols	CAD4; RCAD; R-CAD
NCBI Protein Information	cadherin-4
UniProt Protein Name	Cadherin-4
UniProt Gene Name	CDH4
UniProt Synonym Gene Names	R-CAD; R-cadherin
UniProt Entry Name	CADH4_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cdh4-antibody-flow-cytometry-western-blot-immunofluorescence-immunohistochemistry-elisa/284243>