

Rabbit CDH12 Polyclonal Antibody | anti-CDH12 antibody

CDH12 Antibody (N-term)

CATALOG # AAA286197	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

CDH12; Polyclonal Antibody; CDH12 Antibody (N-term); Cadherin-12; Brain cadherin; BR-cadherin; Neural type cadherin 2; N-cadherin 2; anti-CDH12 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CDH12 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-90 amino acids from the N-terminal region of human CDH12.
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: 0.398 (varies by lot)
Sequence Positions	62-90
Sequence Length	754
Applicable Applications for anti-CDH12 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with CDH12 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-CDH12 Antibody (N-term) (RB13742) in Jurkat cell line lysates (35ug/lane). CDH12 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH12 antibody	CDH12 is a type II classical cadherin from the cadherin superfamily of 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. This particular cadherin appears to be expressed specifically in the brain and its temporal pattern of expression would be consistent with a role during a critical period of neuronal development, perhaps specifically during synaptogenesis.
Product Categories/Family for anti-CDH12 antibody	Signal Transduction
References	Shimoyama,Y., Biochem. J. 349 (PT 1), 159-167 (2000) Chalmers,I.J., Genomics 57 (1), 160-163 (1999) Kremmidiotis,G., Genomics 49 (3), 467-471 (1998) Selig,S., Proc. Natl. Acad. Sci. U.S.A. 94 (6), 2398-2403 (1997)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16445393
NCBI GeneID	1010
NCBI Accession #	NP_004052.2
NCBI GenBank Nucleotide #	NM_004061.3
UniProt Accession #	P55289; Q86UD2; B2RBT1; B7Z2U6
Molecular Weight	88332
NCBI Official Full Name	cadherin-12 preproprotein
NCBI Official Synonym Full Names	cadherin 12, type 2 (N-cadherin 2)
NCBI Official Symbol	CDH12
NCBI Official Synonym Symbols	CDHB
NCBI Protein Information	cadherin-12
UniProt Protein Name	Cadherin-12
UniProt Gene Name	CDH12
UniProt Synonym Gene Names	BR-cadherin; N-cadherin 2
UniProt Entry Name	CAD12_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/cdh12-antibody-immunohistochemistry-western-blot-elisa/286197>