

Product Name: R-cadherin Rabbit Polyclonal Antibody
Catalog #: AP Rab16975



Summary

Production Name	R-cadherin Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CDH4
Alternative Names	CDH4; Cadherin-4; Retinal cadherin; R-CAD; R-cadherin
Gene ID	1002.0
SwissProt ID	P55283.The antiserum was produced against synthesized peptide derived from human CDH4. AA range:731-780

Application

Dilution Ratio	IHC-P 1:100-1:300, IF-P/IF-F/ICC/IF 1:200-1:1000, ELISA 1:5000.Not yet tested in other applications.
Molecular Weight	

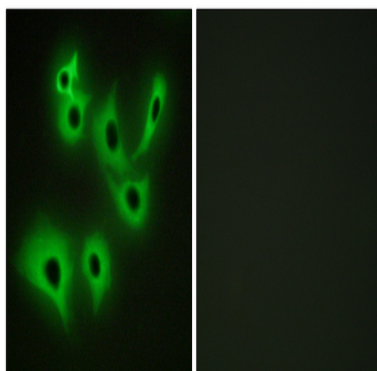
Background

This gene is a classical cadherin from the cadherin superfamily. The encoded protein 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. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011],function:Cadherins are calcium dependent cell adhesion proteins,function:Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. May play an important role in retinal development,similarity:Contains 5 cadherin domains,tissue specificity:Expressed mainly in brain but also found in other tissues,.

Research Area

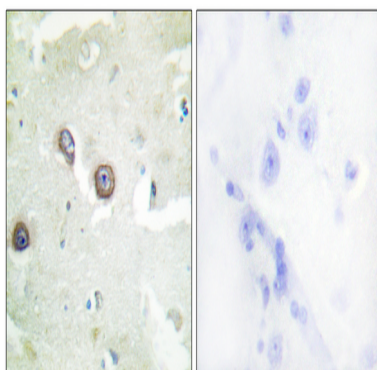
Cell adhesion molecules (CAMs);

Image Data

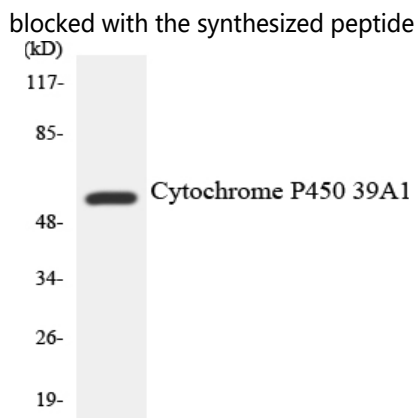


Immunofluorescence analysis of A549 cells, using CDH4 Antibody. The picture on the right is blocked with the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using CDH4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using Cytochrome P450 2D6 antibody.

Note

For research use only.