

Anti-R Cadherin Antibody

Rabbit polyclonal antibody to R Cadherin
Catalog # AP61467

Product Information

Application	WB, IHC, IF
Primary Accession	P55283
Other Accession	P39038
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	100281

Additional Information

Gene ID	1002
Other Names	Cadherin-4; Retinal cadherin; R-CAD; R-cadherin
Target/Specificity	Recognizes endogenous levels of R Cadherin protein.
Dilution	WB~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200) IHC~~1:100~500 IF~~WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/50 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

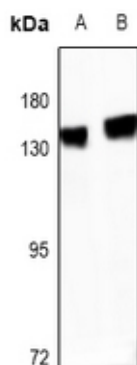
Protein Information

Name	CDH4
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed mainly in brain but also found in other tissues

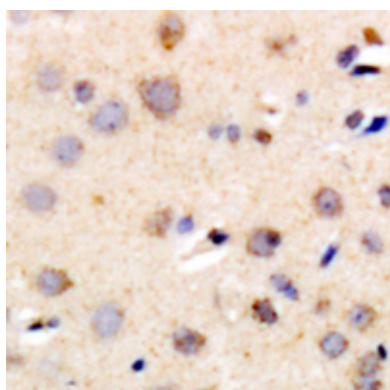
Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human R Cadherin. The exact sequence is proprietary.

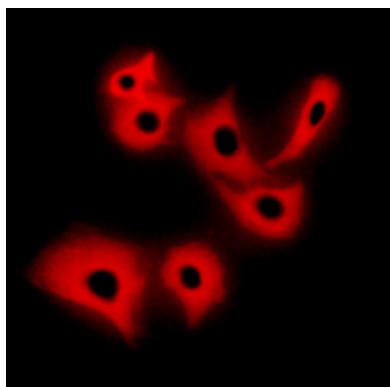
Images



Western blot analysis of R Cadherin expression in mouse brain (A), rat brain (B) whole cell lysates.



Immunohistochemical analysis of R Cadherin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of R Cadherin staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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