

**Anti-R Cadherin Antibody**  
**Rabbit polyclonal antibody to R Cadherin**  
**Catalog # AP61467****Specification**

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**Anti-R Cadherin Antibody - Product Information**

|                   |                            |
|-------------------|----------------------------|
| Application       | WB, IF                     |
| Primary Accession | <a href="#">P55283</a>     |
| Other Accession   | <a href="#">P39038</a>     |
| Reactivity        | Human, Mouse, Rat, Chicken |
| Host              | Rabbit                     |
| Clonality         | Polyclonal                 |
| Calculated MW     | 100281                     |

**Anti-R Cadherin Antibody - 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)

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

**Anti-R Cadherin Antibody - 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**

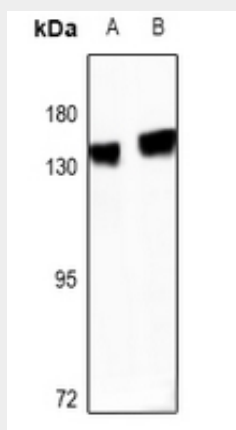
Expressed mainly in brain but also found in other tissues

### Anti-R Cadherin Antibody - Protocols

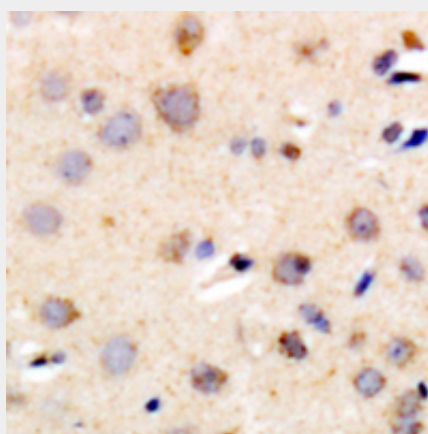
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

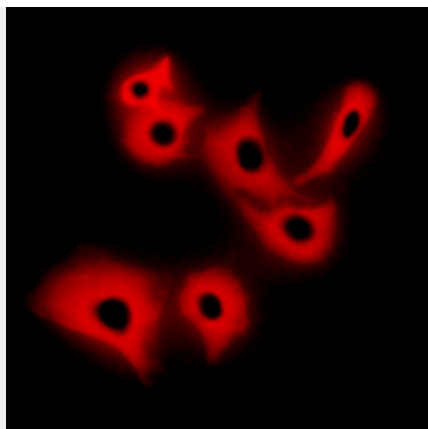
### Anti-R Cadherin Antibody - Images



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.

#### **Anti-R Cadherin Antibody - Background**

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