



Rabbit Anti-CDH12 antibody

SL13715R

Product Name:	CDH12
Chinese Name:	脑钙粘蛋白12抗体
Alias:	Br cadherin; BR-cadherin; Brain cadherin; CAD12_HUMAN; cadherin 12 (N cadherin 2); Cadherin 12; Cadherin 12 precursor; Cadherin 12 type 2 (N cadherin 2); Cadherin 12 type 2; Cadherin neural type 2; Cadherin-12; CDH12; CDHB; FLJ34857; N cadherin 2; N-cadherin 2; Neural type cadherin 2; Neuronal cadherin 2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	82kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CDH12:291-390/794<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	The cadherins are a family of Ca ⁺⁺ -dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis (1-4). Cadherins each contain a large extracellular domain at the amino terminus,

which is characterized by a series of five homologous repeats, the most distal of which is thought to be responsible for binding specificity (5,6). The relatively short carboxy terminal, intracellular domain interacts with a variety of cytoplasmic proteins, including catenin b, to regulate cadherin function (7). BR-cadherin (for brain-cadherin, also designated cadherin-12 or N-cadherin 2) is expressed specifically in neurons in the central nervous system and is thought to be involved in neuronal development (8).

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.

Subcellular Location:

Cell membrane.

Tissue Specificity:

Brain.

Similarity:

Contains 5 cadherin domains.

SWISS:

P55289

Gene ID:

1010

Database links:

[Entrez Gene: 1010](#) Human

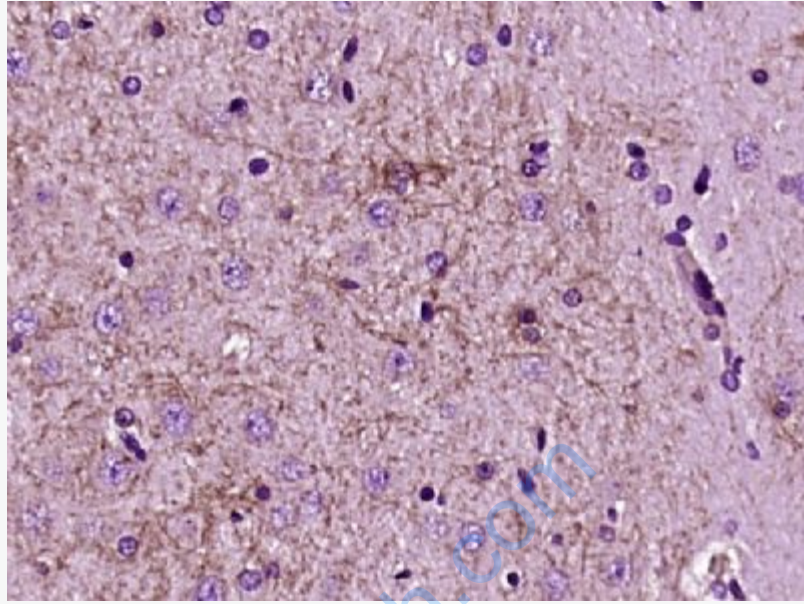
[Omim: 600562](#) Human

[SwissProt: P55289](#) Human

[Unigene: 113684](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CDH12) Polyclonal Antibody, Unconjugated (SL13715R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.