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CDH12 Rabbit pAb

Catalog # AP98737

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P55289
Other Accession	P55289
Reactivity	Rat
Predicted	Pig, Human, Mouse, Rabbit, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	88332
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CDH12
Epitope Specificity	291-390/794
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 5 cadherin domains.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 morpho-genesis (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).

Additional Information

Gene ID	1010
Other Names	CDHB; CAD12_HUMAN; CDH12; Brain cadherin (BR-cadherin); Neural type cadherin 2 (N-cadherin 2); cadherin 12; cadherin 12, type 2 (N-cadherin 2)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	CDH12
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Brain.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.