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Datasheet for ABIN4999743

anti-Cadherin 12 antibody (AA 291-390) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	Cadherin 12
Binding Specificity:	AA 291-390
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cadherin 12 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CDH12
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Horse, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Cadherin 12
Alternative Name:	CDH12 (Cadherin 12 Products)

Target Details

Background:	<p>Synonyms: 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.</p> <p>Background: 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).</p>
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Application Details

Application Notes:	<p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months