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Datasheet for ABIN1392694

## anti-CTNND2 antibody (AA 951-1050) (Alexa Fluor 488)

### Overview

Quantity:	100 µL
Target:	CTNND2
Binding Specificity:	AA 951-1050
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTNND2 antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human delta 2 Catenin
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Chicken
Purification:	Purified by Protein A.

### Target Details

Target:	CTNND2
Alternative Name:	CTNND2/delta 2 Catenin ( <a href="#">CTNND2 Products</a> )
Background:	Synonyms: Catenin cadherin associated protein delta 2, Catenin delta 2, Catenin delta-2,

## Target Details

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CTND2\_HUMAN, CTNND 2, CTNND2, Delta catenin, Delta-catenin, GT 24, GT24, Neural plakophilin related arm repeat protein, Neural plakophilin related armadillo repeat protein, Neural plakophilin-related ARM-repeat protein, Neurojungin, NPRAP

Background: The Alpha-, Beta-, Gamma-, and Delta -catenins are proteins that bind to the highly conserved, intracellular cytoplasmic tail of E-cadherin. Together, the catenin/cadherin complexes play an important role mediating cellular adhesion. Alpha-catenin interacts with E-cadherin associated protein and also associates with other members of the cadherin family, such as N-cadherin and P-cadherin. Beta-catenin associates with the cytoplasmic portion of E-cadherin, which is necessary for the function of E-cadherin as an adhesion molecule. Beta-catenin also complexes with the tumor suppressor protein APC. Gamma-catenin, also known as plakoglobin, is a protein that binds  $\beta$ -catenin and N-cadherin. Gamma-catenin interacts with presenilin 1 and is expressed in the brain. The gene encoding Gamma-catenin maps to human chromosome 5p15.2. A hemizygous loss of the gene encoding Gamma-catenin leads to the mental retardation associated with Cri-du-Chat syndrome. In addition, the transmembrane phosphatase PTPm associates with catenin/ cadherin complexes and may regulate complex signaling.

## Application Details

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Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1  $\mu\text{g}/\mu\text{L}$

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

## Handling

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Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

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Expiry Date: 12 months