

Datasheet for ABIN1392696

**anti-CTNND2 antibody (AA 951-1050) (AbBy Fluor® 647)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | CTNND2                                                                                                  |
| Binding Specificity: | AA 951-1050                                                                                             |
| Reactivity:          | Human                                                                                                   |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This CTNND2 antibody is conjugated to AbBy Fluor® 647                                                   |
| 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

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

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

Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ 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. |
| Expiry Date:     | 12 months                                                                         |