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Datasheet for ABIN1697097

**anti-PTCHD2 antibody (AA 401-500) (Alexa Fluor 555)**

## Overview

Quantity:	100 µL
Target:	PTCHD2
Binding Specificity:	AA 401-500
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTCHD2 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PTCHD2/DISP3
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Horse, Chicken
Purification:	Purified by Protein A.

## Target Details

Target:	PTCHD2
Alternative Name:	PTCHD2/DISP3 ( <a href="#">PTCHD2 Products</a> )
Background:	Synonyms: DISP3, Dispatched, drosophila, homolog of, 3, G630052C06Rik, hCG_24779,

## Target Details

KIAA1337, Patched domain-containing protein 2, Protein dispatched homolog 3, Ptchd2, PTHD2\_HUMAN, RGD1305820, RND-type protein RNDEu-2, RNDEu-2, patched domain containing 2, RP23-157B15.1.

Background: PTCHD2 is a 1,392 amino acid multi-pass membrane protein that contains one SSD (sterol-sensing) domain and belongs to the patched family. Expressed in retina, brain and testis, PTCHD2 localizes to endoplasmic reticulum and colocalizes with cholesterol. PTCHD2 overexpression leads to increased cholesterol levels, suggesting that PTCHD2 may play a role in cholesterol homeostasis. PTCHD2 is further hypothesized to act as a link between thyroid hormone and cholesterol metabolism. Existing as two alternatively spliced isoforms, PTCHD2 is thought to assist in the release of lipid-anchored secreted proteins and is encoded by a gene that maps to human chromosome 1p36.22.

Gene ID: 57540

## 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 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