



## Rabbit Anti-PTCHD2 antibody

SL12324R

<b>Product Name:</b>	PTCHD2
<b>Chinese Name:</b>	多通道膜蛋白PTCHD2抗体
<b>Alias:</b>	DISP3; Dispatched, drosophila, homolog of, 3; G630052C06Rik; hCG_24779; 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; PTCHD2.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	153 kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from Human PTCHD2/DISP3:401-500/1392<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Subcellular Location:**

Membrane; Multi-pass membrane protein (Potential).

**Tissue Specificity:**

Expressed in brain and testis.

**Similarity:**

Belongs to the patched family.  
Contains 1 SSD (sterol-sensing) domain.

**SWISS:**

Q9P2K9

**Gene ID:**

57540

**Database links:**

[Entrez Gene: 57540](#) Human

[Omir: 611251](#) Human

[SwissProt: Q9P2K9](#) Human

[Unigene: 202355](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.