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Datasheet for ABIN1700386  
**anti-PTCHD3 antibody (AA 151-250) (Biotin)**

## Overview

Quantity:	100 µL
Target:	PTCHD3
Binding Specificity:	AA 151-250
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTCHD3 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PTCHD3
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

## Target Details

Target:	PTCHD3
Alternative Name:	PTCHD3 ( <a href="#">PTCHD3 Products</a> )
Background:	Synonyms: Patched domain containing 3, Patched domain-containing protein 3, Patched-

## Target Details

related protein, Ptchd3, PTHD3\_HUMAN, PTR.

Background: PTCHD3 is a 767 amino acid multi-pass membrane protein that localizes to the midpiece of the sperm tail, where it is implicated in sperm function and development. A member of the patched family, PTCHD3 contains one SSD (sterol-sensing) domain and is encoded by a gene that maps to human chromosome 10p12.1. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5 % of total DNA in cells and encodes nearly 1,200 genes. Several protein-coding genes, including those that encode for chemokines, cadherins, excision repair proteins, early growth response factors (Egrs) and fibroblast growth receptors (FGFRs), are located on chromosome 10. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

Gene ID: 374308

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

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 for 12 months.

Expiry Date: 12 months