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Rabbit Anti-PTCHD3 antibody

SL12325R

Product Name:	PTCHD3
Chinese Name:	修补相关蛋白PTCHD3抗体
Alias:	Patched domain containing 3; Patched domain-containing protein 3; Patched-related protein; Ptchd3; PTHD3_HUMAN; PTR.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	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.
Molecular weight:	87kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human PTCHD3:151-250/767
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	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, nonsyndromatic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria. **Function:** May play a role in sperm development or sperm function. **Subcellular Location:** Membrane. Localizes to the midpiece of the sperm tail. **Tissue Specificity:** Expressed in germ cells of the testis (at protein level). **Similarity:** Belongs to the patched family. Contains 1 SSD (sterol-sensing) domain. **SWISS:** Q3KNS1 **Gene ID:** 374308 **Database links:** Entrez Gene: 374308Human Omim: 611791Human SwissProt: Q3KNS1Human Unigene: 631832Human **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.