SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-APCDD1 antibody

Catalog Number: SL1565R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	APCDD1
Immunogen:	KLH conjugated synthetic peptide derived from human APCDD1: 30-130/514
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Chicken,Dog,Rabbit)
Predicted MW.:	56kDa
Subcellular Location:	The cell membrane
Background:	APCDD1 is a novel protein that has been shown to be a target of Wnt/beta catenin signaling pathway in cancer cell lines. APCDD1 is overexpressed in colorectal carcinogenesis and is deregulated in CTNNB1 mutated Wilms tumors. [FUNCTION] Probably plays a role in colorectal tumorigenesis. May be a developmental target gene of the Wnt/Beta-catenin pathway. [SUBCELLULAR LOCATION] Membrane; Single-pass type I membrane protein (Potential). [TISSUE SPECIFICITY] Abundantly expressed in heart, pancreas, prostate and ovary. Moderately expressed in lung, liver, kidney, spleen, thymus, colon and peripheral lymphocytes. [INDUCTION] Transcriptionally regulated by the CTNNB1/TF7L2complex.

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

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	Function: Negative regulator of the Wnt signaling pathway. Inhibits Wnt signaling in a cell-autonomous manner and functions upstream of beta-catenin. May act via its interaction with Wnt and LRP proteins. May play a role in colorectal tumorigenesis. **Subunit:** Homodimer. Interacts with LRP5 and WNT3A. **Subcellular Location:** Cell membrane; Single-pass type I membrane protein. **Tissue Specificity:** Abundantly expressed in heart, pancreas, prostate and ovary. Moderately expressed in lung, liver, kidney, spleen, thymus, colon and peripheral lymphocytes. Abundantly expressed in both the epidermal and dermal compartments of the hair follicle. Present in scalp skin Highly expressed in the hair follicle dermal papilla, the matrix, and the hair shaft (at protein level). **Post-translational modifications:** N-Glycosylated. DISEASE: Hypotrichosis 1 (HYPT1) [MIM:605389]: A rare form of non-syndromic hereditary hypotrichosis without characteristic hair shaft anomalies. Affected individuals typically show normal hair at birth, but hair loss and thinning of the hair shaft start during early childhood and progress with age. Note=The disease is caused by mutations affecting the gene represented in this entry. **Similarity:** Belongs to the APCDD1 family. **Database links:** **Entrez Gene:** 147495 Human **Entrez Gene:** 494504 Mouse Omim: 607479 Human **SwissProt:** Q8J025 Human **SwissProt:** Q3U128 Mouse **Unigene:** 293274 Human **Unigene:** 391102 Mouse

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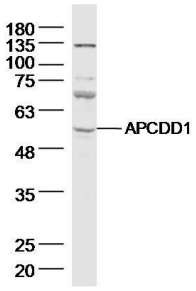
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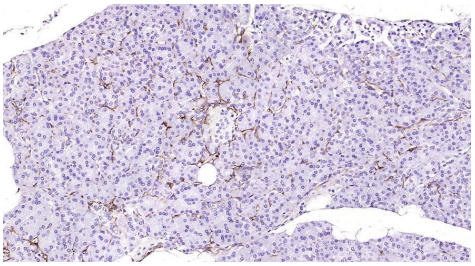
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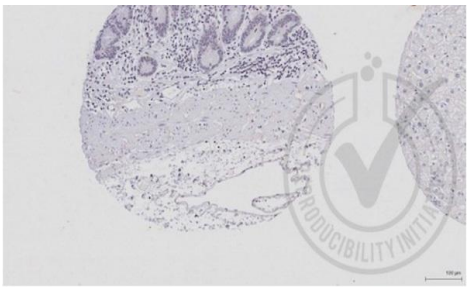
[VALIDATION IMAGES]



Sample: DU145 Cell (Human) Lysate at 40 ug
Primary: Anti-APCDD1 (SL1565R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 56 kD
Observed band size: 56 kD



Paraformaldehyde-fixed, paraffin embedded (Human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (APCDD1) Polyclonal Antibody, Unconjugated (SL1565R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Images provided the Independent Validation Program (badge number 029637)Formalin-fixed and paraffin embedded human stomach labeled with Rabbit Anti-APCDD1 Polyclonal Antibody (SL1565R) at 1:250 room temperature overnight followed by conjugation to secondary antibody.

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