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APCDD1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13356a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8J025
Other Accession	Q66KI8, NP_694545.1
Reactivity	Human, Mouse
Predicted	Xenopus, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33555
Calculated MW	58797
Antigen Region	69-98

Additional Information

Gene ID	147495
Other Names	Protein APCDD1, Adenomatosis polyposis coli down-regulated 1 protein, APCDD1 (HGNC:15718)
Target/Specificity	This APCDD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 69-98 amino acids from the N-terminal region of human APCDD1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	APCDD1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	APCDD1 (HGNC:15718)
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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	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)

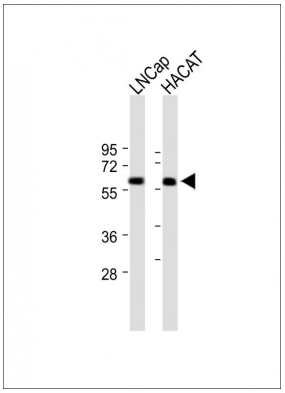
Background

This locus encodes an inhibitor of the Wnt signaling pathway. Mutations at this locus have been associated with hereditary hypotrichosis simplex. Increased expression of this gene may also be associated with colorectal carcinogenesis.

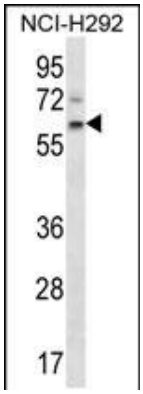
References

Shimomura, Y., et al. Nature 464(7291):1043-1047(2010)
Takahashi, M., et al. Cancer Res. 62(20):5651-5656(2002)

Images

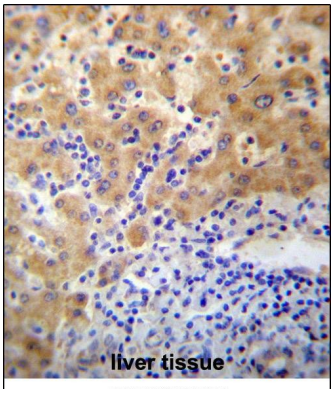


All lanes : Anti-APCDD1 Antibody (N-term) at 1:1000 dilution Lane 1: LNCap whole cell lysate Lane 2: HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 59kDa Blocking/Dilution buffer: 5% NFDM/TBST.



APCDD1 Antibody (N-term) (Cat. #AP13356a) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the APCDD1 antibody detected the APCDD1 protein (arrow).

APCDD1 Antibody (N-term) (Cat. #AP13356a)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of APCDD1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.