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APCDD1 Rabbit pAb

Catalog # AP99244

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q8J025
Other Accession	Q8J025
Reactivity	Human
Predicted	Rat, Mouse, Rabbit, Chicken, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58797
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human APCDD1
Epitope Specificity	30-130/514
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the APCDD1 family.
SUBUNIT	Homodimer. Interacts with LRP5 and WNT3A.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	147495
Other Names	B7323; DRAPC1; FP7019; HHS; HTS; HYPT1; EIG180; APCD1_HUMAN; APCDD1; Adenomatosis polyposis coli down-regulated 1 protein; APCD1_MOUSE;

	Adenomatosis polyposis coli down-regulated 1 protein homolog; APC down-regulated 1; adenomatosis polyposis coli down-regulated 1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

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)

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