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CXXC4 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9385b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q9H2H0
Other Accession	Q9EQC9, Q6NXI8
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22171
Calculated MW	20978
Antigen Region	158-185

Additional Information

Other Names	CXXC-type zinc finger protein 4, Inhibition of the Dvl and axin complex protein, CXXC4, IDAX
Target/Specificity	This CXXC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 158-185 amino acids from the C-terminal region of human CXXC4.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
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	CXXC4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CXXC4
Synonyms	IDAX
Function	Acts as a negative regulator of the Wnt signaling pathway via its interaction

with DVL1 (By similarity). Binds preferentially to DNA containing cytidine-phosphate-guanosine (CpG) dinucleotides over CpH (H=A, T, and C), hemimethylated-CpG and hemimethylated-hydroxymethyl- CpG (PubMed:29276034).

Cellular Location Cytoplasm {ECO:0000250|UniProtKB:Q9EQC9}.

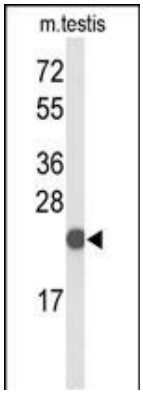
Background

CXXC4 acts as a negative regulator of the Wnt signaling pathway via its interaction with DVL1.

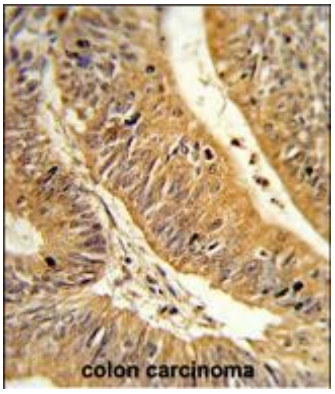
References

Kojima, T., et al. Oncogene 28(2):297-305(2009)
Hino, S., et al. Mol. Cell. Biol. 21(1):330-342(2001)

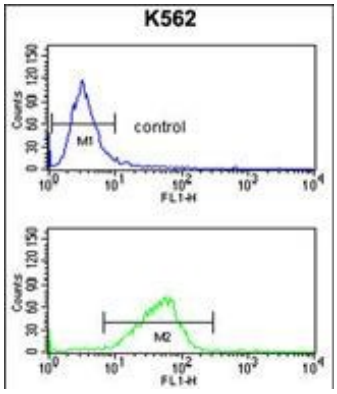
Images



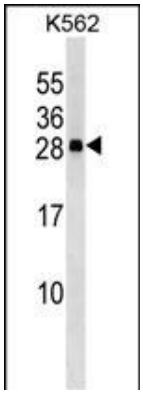
Western blot analysis of CXXC4 Antibody (C-term) (Cat. #AP9385b) in mouse testis tissue lysates (35ug/lane). CXXC4 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human colon carcinoma reacted with CXXC4 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



CXXC4 Antibody (C-term) (Cat. #AP9385b) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



CXXC4 Antibody (C-term) (Cat. #AP9385b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the CXXC4 antibody detected the CXXC4 protein (arrow).

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