

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
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}.

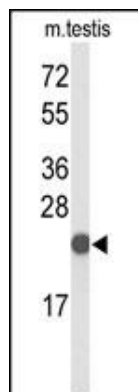
Background

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

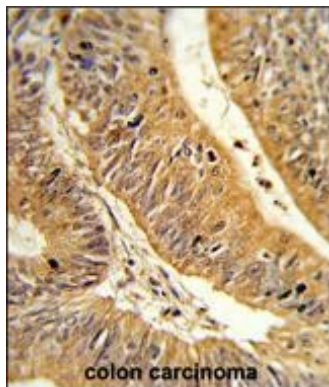
References

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

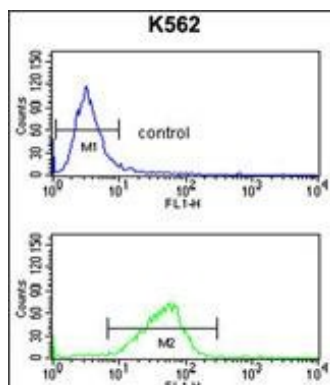
Images



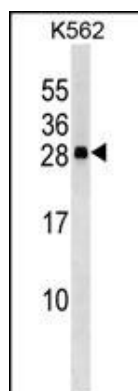
Western blot analysis of CXXC4 Antibody (C-term) (Cat. #AP9385b) in mouse testis tissue lysates (35ug/lane). CXXC4 (arrow) was detected using the purified Pab.



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'.