

Rabbit CXXC4 Polyclonal Antibody | anti-CXXC4 antibody

CXXC4 Antibody

CATALOG # AAA303787	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

CXXC4; Polyclonal Antibody; CXXC4 Antibody; CXXC-type zinc finger protein 4; IDAX; anti-CXXC4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	367
Applicable Applications for anti-CXXC4 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against an 18 amino acid peptide near the amino terminus of human CXXC4.
Target Name	CXXC4
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of CXXC4 in human brain tissue with CXXC4 antibody at 10 ug/mL.



WB (Western Blot)

Western blot analysis of CXXC4 in human brain tissue lysate with CXXC4 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CXXC4 antibody

CXXC4 is zinc finger protein that binds directly to the PDZ domain of DVL1, a protein involved in the Wnt signaling pathway, through its C-terminal region. CXXC4's interaction with DVL1 competes with DVL1-AXIN binding, although the affinity of DVL1 for CXXC4 is lower than that for AXIN. In mouse fibroblasts, CXXC4 suppressed Wnt3a induction of beta-catenin and inhibited Wnt3a-dependent TCF4 activation, suggesting that CXXC4 acts as a negative regulator of the Wnt signaling pathway and functions between DVL and beta-catenin. Recent reports suggest that decreased CXXC4 expression is associated with kidney cancer metastasis, cell proliferation, reduced apoptosis in response to cancer drugs, and upregulation of genes involved with proliferation, invasion and cell survival, suggesting that CXXC4 plays a critical role in tumor progression in kidney cancer.

NCBI AND UNIPROT INFORMATION

NCBI GI #	365812517
NCBI GeneID	80319
NCBI Accession #	NP_079488
NCBI GenBank Nucleotide #	NM_025212.3
NCBI Official Full Name	CXXC-type zinc finger protein 4
NCBI Official Synonym Full Names	CXXC finger protein 4
NCBI Official Symbol	CXXC4
NCBI Official Synonym Symbols	IDAX
NCBI Protein Information	CXXC-type zinc finger protein 4
UniProt Protein Name	CXXC-type zinc finger protein 4
UniProt Gene Name	CXXC4
UniProt Synonym Gene Names	IDAX
UniProt Entry Name	CXXC4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cxxc4-antibody-immunohistochemistry-western-blot-elisa/303787>