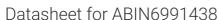
## antibodies -online.com





## anti-CXXC4 antibody (N-Term)



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Overview	
Quantity:	0.1 mg
Target:	CXXC4
Binding Specificity:	AA 50-100, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CXXC4 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)
Product Details	
Immunogen:	CXXC4 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human CXXC4. The immunogen is located within amino acids 50 - 100 of CXXC4.
Isotype:	IgG
Purification:	CXXC4 Antibody is affinity chromatography purified via peptide column.
Target Details	
Target:	CXXC4
Alternative Name:	CXXC4 (CXXC4 Products)
Background:	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 inducti	on 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-cate	nin.
Recent reports suggest that decreased CXXC4 expression is associated with kidney cancel	í
metastasis, cell proliferation, reduced apoptosis in response to cancer drugs, and upregula	tion
of genes involved with proliferation, invasion and cell survival, suggesting that CXXC4 plays	а
critical role in tumor progression in kidney cancer.	

Gene ID:	80319
NCBI Accession:	NP_079488
UniProt:	Q9H2H0

## **Application Details**

Application Notes:	CXXC4 antibody can be used for detection of CXXC4 by Western blot at 1 $\mu$ ,g/mL. A	ntibody can

also be used for immunohistochemistry starting at 10  $\mu\text{,g/mL}.$  For immunofluorescence start at

 $20~\mu,g/mL$ .

Antibody validated: Western Blot in human samples, Immunohistochemistry in human samples

and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CXXC4 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	CXXC4 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.