

## CXXC4 rabbit pAb

<b>Catalog No :</b>	YT7623
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB
<b>Target :</b>	CXXC4
<b>Fields :</b>	>>Wnt signaling pathway
<b>Gene Name :</b>	CXXC4 IDAX
<b>Protein Name :</b>	CXXC4
<b>Human Gene Id :</b>	80319
<b>Human Swiss Prot No :</b>	Q9H2H0
<b>Mouse Gene Id :</b>	319478
<b>Mouse Swiss Prot No :</b>	Q6NXI8
<b>Rat Gene Id :</b>	83824
<b>Rat Swiss Prot No :</b>	Q9EQC9
<b>Immunogen :</b>	Synthesized peptide derived from human CXXC4 AA range: 15-65
<b>Specificity :</b>	This antibody detects endogenous levels of CXXC4 at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year (Do not lower than -25°C)

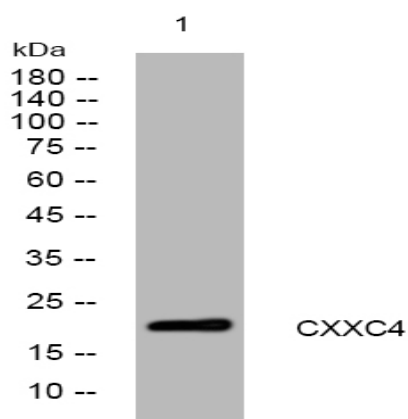
**Molecularweight :** 22kD

**Background :** This gene encodes a CXXC-type zinc finger domain-containing protein that functions as an antagonist of the canonical wingless/integrated signaling pathway. The encoded protein negatively regulates wingless/integrated signaling through interaction with the post synaptic density protein/ Drosophila disc large tumor suppressor/ zonula occludens-1 protein domain of Dishevelled, a scaffolding protein required for the stabilization of the transcriptional co-activator beta-catenin. In addition, the CXXC domain of this protein has been shown to bind unmethylated CpG dinucleotides, localize to promoters and CpG islands, and interact with the catalytic domain of methylcytosine dioxygenase ten-eleven-translocation 2, an iron and alpha-ketoglutarate-dependent dioxygenase that modifies the methylation status of DNA. In humans, a mutation in this gene has been associated with development of malignant renal cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],

**Function :** function:Acts as a negative regulator of the Wnt signaling pathway via its interaction with DVL1.,similarity:Contains 1 CXXC-type zinc finger.,subunit:Interacts with the PDZ domain of DVL1.,

**Subcellular Location :** Cytoplasm .

## Products Images



Western blot analysis of lysates from HEK293 cells, primary antibody was diluted at 1:1000, 4° over night