

#### **CXXC4 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP55433

## **Specification**

### **CXXC4 Polyclonal Antibody - Product Information**

Application IHC-P, IHC-F, IF, ICC, E

Primary Accession <u>Q9H2H0</u>

Reactivity
Host
Clonality
Calculated MW
Physical State

Rat, Pig, Dog, Bovine
Rabbit
Polyclonal
21 KDa
Liquid

Immunogen KLH conjugated synthetic peptide derived

from human CXXC4

Epitope Specificity 101-198/198

Isotype IgG

**Purity** affinity purified by Protein A

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Cytoplasm.

SIMILARITY
Important Note
Contains 1 CXXC-type zinc finger.
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

## **Background Descriptions**

Idax is a 198 amino acid cytoplasmic protein that functions as a negative regulator of the Wnt signaling pathway through its interaction with the PDZ domain of Dvl-1. Containing one CXXC-type zinc finger, Idax is expressed at high levels in brain, with lower levels in testis and thymus. The gene encoding Idax maps to human chromosome 4, which represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

# **CXXC4 Polyclonal Antibody - Additional Information**

#### **Other Names**

CXXC-type zinc finger protein 4, Inhibition of the DvI and axin complex protein, CXXC4, IDAX

## **Dilution**

<span class ="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class</pre>

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class

="dilution\_IF">IF~~1:50~200</span><br/>br \><span class ="dilution\_ICC">ICC~~N/A</span><br/>br \><span class = "dilution\_ICC">ICC~~N/A</span><br/>br

\><span class ="dilution\_E">E~~N/A</span>



#### **Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

#### **CXXC4 Polyclonal Antibody - 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:<a href="http://www.uniprot.org/citations/29276034" target="blank">29276034</a>).

#### **Cellular Location**

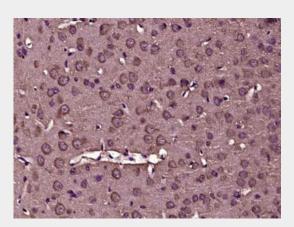
Cytoplasm {ECO:0000250|UniProtKB:Q9EQC9}.

#### **CXXC4 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# CXXC4 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CXXC4) Polyclonal Antibody, Unconjugated (bs-14127R) at 1:400 overnight at 4°C, followed by





operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.