

## CXXC5 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21897a

### Specification

# CXXC5 Antibody (N-Term) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW WB,E <u>Q7LFL8</u> <u>Q32LB3</u>, <u>Q91WA4</u>, <u>Q5R7N4</u>, <u>Q5XIQ3</u> Human Bovine, Mouse, Rat Rabbit polyclonal Rabbit IgG 32977

## CXXC5 Antibody (N-Term) - Additional Information

Gene ID 51523

**Other Names** 

CXXC-type zinc finger protein 5, CF5, Putative MAPK-activating protein PM08, Putative NF-kappa-B-activating protein 102, Retinoid-inducible nuclear factor, RINF, CXXC5

#### Target/Specificity

This CXXC5 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 47-80 amino acids from human CXXC5.

Dilution WB~~1:2000 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

CXXC5 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

# CXXC5 Antibody (N-Term) - Protein Information

Name CXXC5



**Function** May indirectly participate in activation of the NF-kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity). Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis. Transcription factor. Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen) (PubMed:23303788). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (PubMed:23303788). 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**

Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q5XIQ3} Note=Colocalizes with DVL1 in large bodies localized just outside the nuclear membrane. {ECO:0000250|UniProtKB:Q5XIQ3}

## **CXXC5 Antibody (N-Term) - Protocols**

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

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

CXXC5 Antibody (N-Term) - Images



Anti-CXXC5 Antibody (N-Term) at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### CXXC5 Antibody (N-Term) - Background

May indirectly participate in activation of the NF- kappa-B and MAPK pathways. Acts as a mediator of BMP4-mediated modulation of canonical Wnt signaling activity in neural stem cells (By similarity).



Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis.

## CXXC5 Antibody (N-Term) - References

Zhang M.,et al.Sci. China, Ser. C, Life Sci. 52:528-538(2009). Matsuda A.,et al.Oncogene 22:3307-3318(2003). Ota T.,et al.Nat. Genet. 36:40-45(2004). Zhou J.,et al.Submitted (JUL-2000) to the EMBL/GenBank/DDBJ databases. Schmutz J.,et al.Nature 431:268-274(2004).