

Cxxc5 Antibody - N-terminal region

Rabbit Polyclonal Antibody Catalog # AI14325

Product Information

Application WB
Primary Accession Q91WA4

Other Accession NM 133687, NP 598448

ReactivityHuman, Mouse, Rat, Guinea Pig, Horse **Predicted**Human, Mouse, Rat, Pig, Guinea Pig, Horse

Host Rabbit
Clonality Polyclonal
Calculated MW 32812

Additional Information

Gene ID 67393

Alias Symbol 4930415K17Rik

Other Names CXXC-type zinc finger protein 5, Cxxc5

Format Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium

azide and 2% sucrose.

Reconstitution & Storage Add 50 ul of distilled water. Final anti-Cxxc5 antibody concentration is 1

mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at

20°C. Avoid repeat freeze-thaw cycles.

Precautions Cxxc5 Antibody - N-terminal region is for research use only and not for use in

diagnostic or therapeutic procedures.

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. Required for DNA damage-induced ATM phosphorylation, p53 activation and cell cycle arrest. Involved in myelopoiesis (By similarity). Binds to the oxygen responsive element of COX4I2 and represses its transcription under hypoxia conditions (4% oxygen), as well as normoxia conditions (20% oxygen). May repress COX4I2 transactivation induced by CHCHD2 and RBPJ (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 (By

similarity).

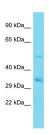
Cellular Location

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

References

Carninci P., et al. Science 309:1559-1563(2005). Andersson T., et al. J. Biol. Chem. 284:3672-3681(2009).

Images



Host: Rabbit Target Name: Cxxc5

Sample Tissue: Mouse Heart lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.