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CXXC5 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21897a

Specification

CXXC5 Antibody (N-Term) - Product Information

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

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).

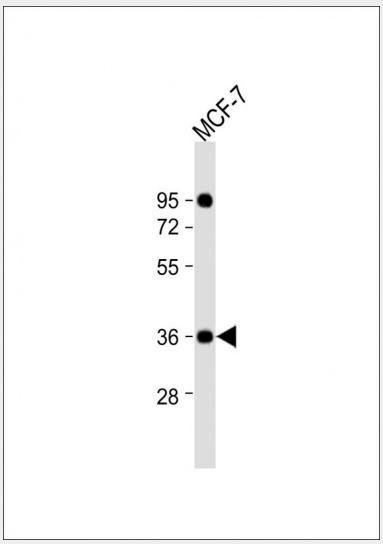
Cellular Location
Nucleus. Cytoplasm {ECO:0000250|UniProtKB:Q5XIQ3} Note=Colocalizes with DVL1 in large bodies localized just outside the nuclear membrane. {ECO:0000250|UniProtKB:Q5XIQ3}

CXXC5 Antibody (N-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CXXC5 Antibody (N-Term) - Images



Anti-CXXC5 Antibody (N-Term) at 1:2000 dilution + MCF-7 whole cell lysate Lysates/proteins at 20 µg 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).