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# CXXC1 Antibody (Center) Blocking Peptide

**Synthetic peptide**
**Catalog # BP16472c**

## Specification

### CXXC1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession Q9P0U4

### CXXC1 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 30827

**Other Names**
CXXC-type zinc finger protein 1, CpG-binding protein, PHD finger and CXXC domain-containing protein 1, CXXC1, CFP1, CGBP, PCCX1, PHF18

**Format**
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

### CXXC1 Antibody (Center) Blocking Peptide - Protein Information

**Name** CXXC1

**Synonyms** CFP1, CGBP, PCCX1, PHF18

**Function**
Transcriptional activator that exhibits a unique DNA binding specificity for CpG unmethylated motifs with a preference for CpGG.

**Cellular Location**
Nucleus speckle. Nucleus {ECO:0000250|UniProtKB:Q9CWW7} Note=Associated with euchromatin. During mitosis, excluded from condensed chromosomes

**Tissue Location**
Ubiquitous.

### CXXC1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

**CXXC1 Antibody (Center) Blocking Peptide - Images**

**CXXC1 Antibody (Center) Blocking Peptide - Background**

Proteins that contain a CXXC motif within theirDNA-binding domain, such as CXXC1, recognize CpG sequences andregulate gene expression (Carlone and Skalnik, 2001 [PubMed11604496]).

**CXXC1 Antibody (Center) Blocking Peptide - References**

Crowther-Swanepoel, D., et al. Nat. Genet. 42(2):132-136(2010)Tate, C.M., et al. Mol. Cell. Biol. 29(14):3817-3831(2009)Butler, J.S., et al. DNA Cell Biol. 27(10):533-543(2008)Ansari, K.I., et al. Biochim. Biophys. Acta 1779(1):66-73(2008)Lee, J.H., et al. Mol. Cell. Biol. 28(2):609-618(2008)