

Product datasheet for **AP51152PU-N**

CGBP (CXXC1) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	This antibody is suitable for Western blotting . The suggested dilution is 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide from the central region (between 325-354 aa) of Human CpG-binding protein/CXXC1.
Specificity:	This antibody detects CpG-binding protein/CXXC1 (Center).
Formulation:	PBS with 0.09% (W/V) Sodium Azide. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Purified through a protein A column; followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CXXC finger protein 1
Database Link:	Entrez Gene 74322 Mouse Entrez Gene 30827 Human Q9P0U4



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Background:

Human CpG binding protein (hCGBP) contains three cysteine-rich domains, two of which exhibit homology to the plant homeodomain finger domain and the third cysteine-rich domain conforms to the CXXC motif identified in DNA methyltransferase, human trithorax, and methyl-CpG binding domain protein 1. A fragment of hCGBP that contains the CXXC domain binds to an oligonucleotide probe containing a single CpG site, and this complex is disrupted by distinct oligonucleotide competitors that also contain a CpG motif(s). CGBP plays an important part in embryonic viability and peri-implantation development. Native hCGBP is detected as an 88-kDa protein by Western analysis and is ubiquitously expressed. CGBP trans-activates promoters that contain CpG motifs but not promoters in which the CpG is ablated suggesting that hCGBP is a transcriptional activator that recognizes unmethylated CpG dinucleotides.

Synonyms:

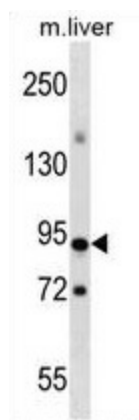
CXXC1, CFP1, CGBP, PCCX1, PHF18

Note:

Molecular Weight: 75712 Da

Protein Families:

Druggable Genome, Transcription Factors

Product images:


Western blot analysis in mouse liver tissue lysates (35ug/lane) using CpG-binding protein/CXXC1 antibody. This demonstrates the CXXC1 antibody detected the CXXC1 protein (arrow).