



CGBP (m): 293T Lysate: sc-119204

BACKGROUND

The human genome contains discrete clusters of unmethylated CpG dinucleotides, called CpG islands, which contribute to the modulation of gene expression by binding transcription factors. Human CpG binding protein (CGBP), detected in K562 cells, is a widely expressed member of CpG binding proteins that requires the CpG dinucleotide to bind DNA. CGBP binds specifically to unmethylated CpG motifs and functions as a transcriptional activator. The CXXC domain of CGBP is conserved in DNA methyltransferase, human trithorax, and methyl-CpG binding protein (MBP), and is involved in DNA-binding. CGBP also contains several domains implicated in protein-protein interactions, such as a coiled-coil domain, and two PHD finger domains, the function of which remains to be determined.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Cxhc1 (mouse) mapping to 18 E2.

PRODUCT

CGBP (m): 293T Lysate represents a lysate of mouse CGBP transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

CGBP (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive CGBP antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.