

BBX (h): 293 Lysate: sc-112974

BACKGROUND

BBX (HMG box transcription factor BBX, Bobby sox homolog, HMG box-containing protein 2) is a 941 amino acid protein encoded by the human gene BBX. BBX is a nuclear protein that contains one high mobility group (HMG) domain that belongs to the Sox (Sry-related HMG box) family of transcription factors. HMG proteins are thought to play a significant role in various human disorders. Disruptions and rearrangements in the genes coding for some of the HMG proteins are associated with common benign tumors. Commonly, antibodies against HMG proteins are found in patients suffering from autoimmune diseases. The SRY gene on the Y Chromosome, responsible for male sexual differentiation, contains a HMG-Box domain. Some HMG proteins have demonstrated extracellular activity as a chemokine, attracting neutrophils and mononuclear inflammatory cells to the infected sites. BBX functions as a transcription factor that is necessary for cell cycle progression from G₁ to S phase.

REFERENCES

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4. Strausberg, R.L., et al. 2002. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. *Proc. Natl. Acad. Sci. USA* 99: 16899-16903.
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CHROMOSOMAL LOCATION

Genetic locus: BBX (human) mapping to 3q13.12.

PRODUCT

BBX (h): 293 Lysate represents a lysate of human BBX transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

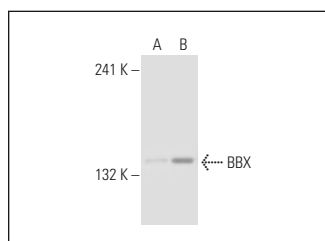
APPLICATIONS

BBX (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive BBX antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

BBX (2065C12a): sc-81055 is recommended as a positive control antibody for Western Blot analysis of enhanced human BBX expression in BBX transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



BBX (2065C12a): sc-81055. Western blot analysis of BBX expression in non-transfected: sc-117752 (A) and human BBX transfected: sc-112974 (B) 293T whole cell lysates.

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.