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XYLB (h): 293T Lysate: sc-116396

BACKGROUND

XYLB (xylulose kinase or xylulokinase) is a 536 amino acid protein that utilizes ATP to phosphorylate D-xylulose and may play a role in energy metabolism. The XYLB gene resides on chromosome 3, which contains about 214 million bases encoding over 1,100 genes. Notably, there is a chemokine receptor gene cluster and a variety of human cancer related loci on chromosome 3. Particular regions of the chromosome 3 short arm are deleted in many types of cancer cells. Key tumor suppressing genes on chromosome 3 encode apoptosis mediator RASSF1, cell migration regulator HYAL1 and angiogenesis suppressor SEMA3B. Marfan syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth disease are a few of the numerous genetic diseases associated with chromosome 3.

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CHROMOSOMAL LOCATION

Genetic locus: XYLB (human) mapping to 3p22.2.

PRODUCT

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

APPLICATIONS

XYLB (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive XYLB 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.