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UROC1 (m): 293T Lysate: sc-124485

BACKGROUND

UROC1, also known as urocanate hydratase, is a 676 amino acid protein that is involved in histidine metabolism. Defects in the gene encoding UROC1 result in urocanic aciduria, which is characterized by learning difficulties, mental retardation, short stature and intermittent ataxia. The UROC1 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.

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CHROMOSOMAL LOCATION

Genetic locus: Uroc1 (mouse) mapping to 6 D1.

PRODUCT

UROC1 (m): 293T Lysate represents a lysate of mouse UROC1 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

UROC1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive UROC1 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.