



AKR7A5 (m): 293T Lysate: sc-124941

BACKGROUND

Aldo-keto reductase 7 (AKR7) functions in the metabolism of aflatoxin B1 and other dicarbonyl-containing compounds with ketone groups on adjacent carbon atoms in a broad range of tissues, notably the liver. The AKR7 gene maps to human chromosome 1p36.13, a region frequently deleted in sporadic colorectal cancer. The functional significance of this correlation lies in the constitutive expression of AKR7 in human liver to eliminate aflatoxin (an environmental carcinogen), thus acting as an endogenous chemo-preventative agent.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Akr7a5* (mouse) mapping to 4 D3.

PRODUCT

AKR7A5 (m): 293T Lysate represents a lysate of mouse AKR7A5 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

AKR7A5 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive AKR7A5 antibodies. Recommended use: 10-20 μ l 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.

PROTOCOLS

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