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- Mindermengenzuschlag
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SANTA CRUZ BIOTECHNOLOGY, INC.

GSTT2 (h4): 293T Lysate: sc-128757

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Glutathione (GSH) is a tripeptide antioxidant which reduces disulfide bonds between cytoplasmic proteins. The constitutive enzyme glutathione reductase transforms glutathione into its reduced state which ultimately can provide a measure of cellular toxicity. GSTT2 (glutathione S-transferase θ-2), also known as GST class-θ-2, is a 244 amino acid enzyme with sulfatase activity that functions in conjugating reduced glutathione to hydrophobic electrophiles. GSTT2 exists as a homodimer in the cytoplasm and is expressed in low levels in the liver and the lung. GSTT2 belongs to the GST superfamily and contains both a GST C-terminal and a GST N-terminal domain. The gene encoding GSTT2 exists on human chromosome 22.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GSTT2 (human) mapping to 22q11.23.

PRODUCT

GSTT2 (h4): 293T Lysate represents a lysate of human GSTT2 transfected 293T 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

GSTT2 (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive GSTT2 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.

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.