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SULT1A3 (h2): 293T Lysate: sc-174388

BACKGROUND

SULT1A3 (sulfotransferase family, cytosolic, 1A, phenol-preferring, member 3) and SULT1A4 (sulfotransferase family, cytosolic, 1A, phenol-preferring, member 4) are identical proteins (referred to simply as SULT1A3/1A4) that are 295 amino acids in length and localize to the cytoplasm. Expressed in brain, liver, colon, lung, placenta, kidney and spleen tissue, SULT1A3/1A4 exists as a homodimer that functions to catalyze the sulfate conjugation of phenolic and catechol drugs, as well as neurotransmitters, including Serotonin, Dopamine and norepinephrine. Multiple isoforms of SULT1A3/1A4 exist due to alternative splicing events. The genes encoding SULT1A3 and SULT1A4 maps to human chromosome 16p11.2, which encodes over 900 genes and comprises nearly 3% of the human genome.

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CHROMOSOMAL LOCATION

Genetic locus: SULT1A3 (human) mapping to 16p11.2.

RESEARCH USE

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

PRODUCT

SULT1A3 (h2): 293T Lysate represents a lysate of human SULT1A3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

SULT1A3 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive SULT1A3 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.

PROTOCOLS

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