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cathepsin K (h): 293T Lysate: sc-158352



BACKGROUND

The cathepsin family of proteolytic enzymes contains several diverse classes of proteases. The cysteine protease class comprises cathepsins B, L, H, K, S and O. The aspartyl protease class is composed of cathepsins D and E. Cathepsin G is in the serine protease class. Most cathepsins are lysosomal and each is involved in cellular metabolism, participating in various events such as peptide biosynthesis and protein degradation. Cathepsin K expression is highest in bone, cartilage and skeletal muscle. The strongest mRNA levels are revealed in osteoclasts.

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CHROMOSOMAL LOCATION

Genetic locus: CTSK (human) mapping to 1q21.3.

PRODUCT

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

APPLICATIONS

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