



cathepsin E (h): 293T Lysate: sc-115648

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 E is a nonlysosomal, intracellular proteinase.

REFERENCES

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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.

CHROMOSOMAL LOCATION

Genetic locus: CTSE (human) mapping to 1q32.1.

PRODUCT

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

APPLICATIONS

cathepsin E (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive cathepsin E antibodies. Recommended use: 10-20 µl per lane.

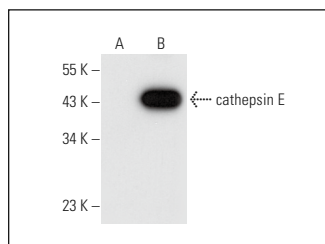
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

cathepsin E (E-8): sc-166343 is recommended as a positive control antibody for Western Blot analysis of enhanced human cathepsin E expression in cathepsin E transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

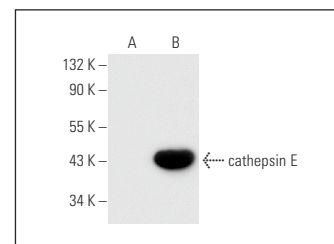
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



cathepsin E (E-8): sc-166343. Western blot analysis of cathepsin E expression in non-transfected: sc-117752 (A) and human cathepsin E transfected: sc-115648 (B) 293T whole cell lysates.



cathepsin E (C-11): sc-166286. Western blot analysis of cathepsin E expression in non-transfected: sc-117752 (A) and human cathepsin E transfected: sc-115648 (B) 293T whole cell lysates.

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.