

Ero1-L α (m): 293T Lysate: sc-120109

BACKGROUND

Ero1-L α (endoplasmic oxidoreductin-1-like), also known as Ero1 α or oxidoreductin-1-L α , is an essential oxidoreductase that oxidizes proteins and is required for the folding of immunoglobulins. Ero1-L α covalently binds with PDI (protein disulfide-isomerase) and together they produce disulfide bonds between proteins in the endoplasmic reticulum. Ero1-L α and SIRT1 regulate adiponectin secretion from adipose tissue. Ero1-L α and associated proteins also modulate PPAR γ (peroxisome proliferator-activated receptor γ) and SIRT1 activities. Ero1-L α is stimulated by hypoxia, suggesting that it is regulated through the HIF (hypoxia inducible transcription factor) pathway. Ero1-L α is ubiquitously expressed at low levels but expressed at high levels in upper digestive tract and esophagus. Ero1-L α may function both as a monomer and a homodimer.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Ero1l (mouse) mapping to 14 C1.

PRODUCT

Ero1-L α (m): 293T Lysate represents a lysate of mouse Ero1-L α transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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

Ero1-L α (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Ero1-L α 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.

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.