
Positive Control Lysate for SREBP-1 Ab-1

Human Cells-8 Lysate

Cat. #MS-1207-PCL (250 µg in 0.1 ml) (Ready-To-Use for Western Blotting)

Specificity and Comments:

Human cells-8 have a high level expression of SREBP-1 (sterol-regulatory element binding protein-1). **NEOMARKERS'** Ab-1 shows a band at 125kDa on this positive control cell lysate. SREBP-1 exists in two forms: precursor (125kDa) and cleaved (60-70kDa). SREBP-1 and -2 are transcription factors which participate in the control of cholesterol homeostasis. SREBPs proteins, which are attached to the endoplasmic reticulum and nuclear envelope, are proteolytically cleaved and thus activated in response to conditions of low cellular sterol. Upon activation of SREBP-1 or -2, an ~480-500 amino acid, N-terminal cleavage fragment of these proteins enters the nucleus and activates transcription of enzymes and other proteins required for cholesterol synthesis. Proteases, which cleave SREBPs have been identified and include SCA (SREBP-cleavage activity), as well as a key regulator of apoptotic pathways, caspase-3. SREBP proteins containing point mutations at caspase-3 cleavage sites (Asp460 in SREBP-1 and Asp468 in SREBP-2) do not become cleaved following induction of apoptosis, suggesting that SREBPs may play some role in apoptotic processes.

Supplied As:

250ug of total protein cell lysate in 0.1ml of 1X PAGE-sample buffer containing DTT.

Known Applications:

Western Blotting (Use **NEOMARKERS'** Ab-1)
[Load 20ul of the positive control cell lysate onto one lane of mini-gel.]

Storage and Stability:

Store vial below 0°C. When stored below 0°C, this lysate is stable for 12 months.

Limitations and Warranty:

Our products are intended FOR RESEARCH USE ONLY and are not approved for clinical diagnosis, drug use or therapeutic procedures. No products are to be construed as a recommendation for use in violation of any patents. We make no representations, warranties or assurances as to the accuracy or completeness of information provided on our data sheets and website. Our warranty is limited to the actual price paid for the product. NeoMarkers is not liable for any property damage, personal injury, time or effort or economic loss caused by our products

NEOMARKERS' Other Related Antibodies:

Caspase 3 (3CSP02, 3CSP03), Caspase 6 (6CSP01, 6CSP02, 6CSP03), Caspase 7 (7CSP01, 7CSP02, 7CSP03), Caspase 8 (8CSP01, 8CSP02, 8CSP03), Caspase 9 (9CSP01, 9CSP02, 9CSP03), bcl-2 (4D7.6, 100/D5, 10C4, 8C8), bax (5B7, 2D2, 1D1, 6A7), bcl-X (2H12), Mcl-1 (RC13, RC22, RC31), SREBP-2 (1C6).

Material Safety Data:

This product is not licensed or approved for administration to humans or to animals. Standard Laboratory Practices should be followed when handling this material. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Appropriate measures should be taken to avoid skin and eye contact, inhalation, and ingestion.

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