

ABCF1 (m): 293T Lysate: sc-118159

BACKGROUND

ABCF1 (ATP-binding cassette sub-family F member 1, TNF α -stimulated ABC protein) is a 845 amino acid protein encoded by the human gene ABCF1. ABCF1 belongs to the ABC transporter family (EF3 subfamily) and contains two ABC transporter domains. ABC proteins transport various molecules across extra- and intra-cellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). Unlike other members of the superfamily, this protein lacks the transmembrane domains which are characteristic of most ABC transporters. ABCF1 is believed to have a role in mRNA translation due to its interaction with eukaryotic initiation factor 2 (eIF2). It is also associated with ribosomes. ABCF1 is ubiquitously expressed and can be induced with TNF. Upon DNA damage, ABCF1 is phosphorylated by either ATM or ATR.

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: Abcf1 (mouse) mapping to 17 B1.

PRODUCT

ABCF1 (m): 293T Lysate represents a lysate of mouse ABCF1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

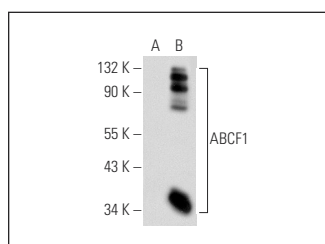
APPLICATIONS

ABCF1 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive ABCF1 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.

ABCF1 (ABC5H06): sc-81047 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse ABCF1 expression in ABCF1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

DATA



ABCF1 (ABC5H06): sc-81047. Western blot analysis of ABCF1 expression in non-transfected: sc-117752 (A) and mouse ABCF1 transfected: sc-118159 (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.