

BTBD1 (h): 293T Lysate: sc-114772

BACKGROUND

BTBD1 (BTB/POZ domain containing 1), also known as NS5ATP8 (hepatitis C virus (HCV) NS5A-transactivated protein 8), is a ubiquitously expressed cytoplasmic protein with predominant expression in skeletal muscle and heart. BTBD1 is expressed in a wide variety of species ranging from *C. elegans* to humans and specifically localizes to cytoplasmic bodies. It shares 80% amino acid sequence identity with its homolog, BTBD2. BTBD1 contains one BTB/POZ domain, which is a hydrophobic-rich motif known to mediate homomeric and heteromeric POZ-POZ interactions that are commonly found at the N-terminus of developmentally regulated zinc finger transcription factors. BTBD1 also contains a C-terminal Kelch-like region and a PHR-like region. Via its C-terminus, BTBD1 is capable of interacting with Topo I. In addition, BTBD1 is required for myoblast growth and differentiation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: BTBD1 (human) mapping to 15q25.2.

PRODUCT

BTBD1 (h): 293T Lysate represents a lysate of human BTBD1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

BTBD1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive BTBD1 antibodies. Recommended use: 10-20 μ l per lane.

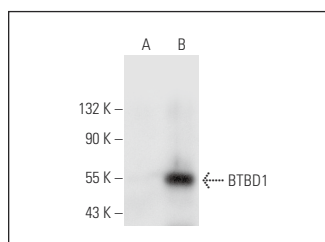
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

BTBD1 (A-12): sc-398235 is recommended as a positive control antibody for Western Blot analysis of enhanced human BTBD1 expression in BTBD1 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

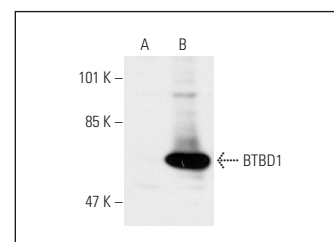
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



BTBD1 (A-12): sc-398235. Western blot analysis of BTBD1 expression in non-transfected: sc-117752 (A) and human BTBD1 transfected: sc-114772 (B) 293T whole cell lysates.



BTBD1 (35.1): sc-100997. Western blot analysis of BTBD1 expression in non-transfected: sc-117752 (A) and human BTBD1 transfected: sc-114772 (B) 293T whole cell lysates.

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.