

ABTB1 (H-300): sc-98637

BACKGROUND

ABTB1 (ankyrin repeat and BTB/POZ domain-containing protein 1), also known as elongation factor 1A-binding protein or BPOZ, is a 478 amino acid protein localized to the cytoplasm. ABTB1 contains two ANK repeats and two BTB (POZ) domains. The BTB (POZ) domain is thought to be involved in protein-protein interactions, and may indicate a role of ABTB1 in developmental processes. It has also been suggested that ABTB1 may be a mediator of the PTEN growth-suppressive signaling pathway. ABTB1 is ubiquitously expressed in all fetal tissues, with lower levels of expression found in adult heart. ABTB1 exists as four isoforms produced by alternative splicing.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ABTB1 (human) mapping to 3q21.3; Abtb1 (mouse) mapping to 6 D1.

SOURCE

ABTB1 (H-300) is a rabbit polyclonal antibody raised against amino acids 1-300 mapping at the N-terminus of ABTB1 of human origin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Available as TransCruz reagent for Gel Supershift and CHIP applications, sc-98637 X, 200 μ g/0.1 ml.

APPLICATIONS

ABTB1 (H-300) is recommended for detection of ABTB1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ABTB1 (H-300) is also recommended for detection of ABTB1 in additional species, including equine, canine and porcine.

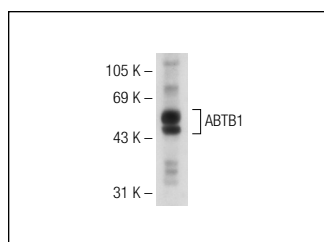
Suitable for use as control antibody for ABTB1 siRNA (h): sc-72420, ABTB1 siRNA (m): sc-72421, ABTB1 shRNA Plasmid (h): sc-72420-SH, ABTB1 shRNA Plasmid (m): sc-72421-SH, ABTB1 shRNA (h) Lentiviral Particles: sc-72420-V and ABTB1 shRNA (m) Lentiviral Particles: sc-72421-V.

ABTB1 (H-300) X TransCruz antibody is recommended for Gel Supershift and CHIP applications.

Molecular Weight of ABTB1: 54 kDa.

Positive Controls: mouse liver extract: sc-2256.

DATA



ABTB1 (H-300): sc-98637. Western blot analysis of ABTB1 expression in mouse liver tissue extract.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.