

ARIH1 (C-13): sc-131868

BACKGROUND

ARIH1 (ariadne homolog), also known as ubiquitin conjugating enzyme E2 binding protein 1, ARI, HARI, HHARI (human homolog of *Drosophila ariadne*), MOP-6 (monocyte protein 6) or UBCH7BP (UBCH7 binding protein), is a 557 amino acid cytoplasmic protein. Expressed in a wide variety of tissues, ARIH1 contains two RING-type zinc fingers and one IBR (in-between RING fingers)-type domain. ARIH1 is believed to be involved in protein degradation and protein translation. ARIH1 interacts with UBCH7 and is thought to function as an E3 ubiquitin-protein ligase (or as a component of an E3 complex) that, characteristic of E3 ligase proteins, accepts ubiquitin (in the form of a thioester) from an E2 ubiquitin-conjugating enzyme (UBCH7) and transfers that ubiquitin residue to substrates targeted for degradation. Specifically, ARIH1 interacts with and polyubiquitylates eIF4E2, thereby targeting it for proteasomal degradation.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ARIH1 (human) mapping to 15q24.1; Arih1 (mouse) mapping to 9 B.

SOURCE

ARIH1 (C-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ARIH1 of human origin.

PRODUCT

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

Blocking peptide available for competition studies, sc-131868 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

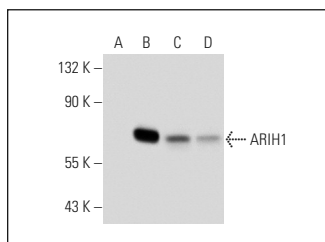
ARIH1 (C-13) is recommended for detection of ARIH1 of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for ARIH1 siRNA (h): sc-90171, ARIH1 siRNA (m): sc-141232, ARIH1 shRNA Plasmid (h): sc-90171-SH, ARIH1 shRNA Plasmid (m): sc-141232-SH, ARIH1 shRNA (h) Lentiviral Particles: sc-90171-V and ARIH1 shRNA (m) Lentiviral Particles: sc-141232-V.

Molecular Weight of ARIH1: 64 kDa.

Positive Controls: Jurkat whole cell lysate: sc-2204, U-937 cell lysate: sc-2239 or ARIH1 (h): 293T Lysate: sc-116302.

DATA



ARIH1 (C-13): sc-131868. Western blot analysis of ARIH1 expression in non-transfected 293T: sc-117752 (A), human ARIH1 transfected 293T: sc-116302 (B), Jurkat (C) and U-937 (D) whole cell lysates.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. 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 or our catalog for detailed protocols and support products.