



DnaJB6 (h): 293 Lysate: sc-110582

BACKGROUND

The DnaJ family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The presence of the J domain defines a protein as a member of the DnaJ family. DnaJ heat shock induced proteins are from the bacterium *Escherichia coli* and are under the control of the htpR regulatory protein. The DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. The proteins contain cysteine rich regions that are composed of zinc fingers that form a peptide binding domain responsible for the chaperone function. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DnaJB6 (DnaJ homolog subfamily B member 6), also known as MRJ, HSJ2, HHDJ1, or MSJ-1, is highly expressed in brain and much weaker in all other tissues.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: DNAJB6 (human) mapping to 7q36.3.

PRODUCT

DnaJB6 (h): 293 Lysate represents a lysate of human DnaJB6 transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

DnaJB6 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive DnaJB6 antibodies. Recommended use: 10-20 µl per lane.

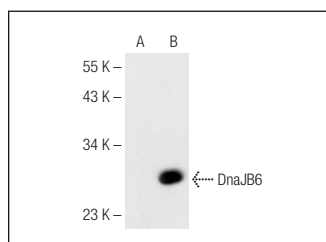
Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 cells.

DnaJB6 (B-5): sc-365574 is recommended as a positive control antibody for Western Blot analysis of enhanced human DnaJB6 expression in DnaJB6 transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

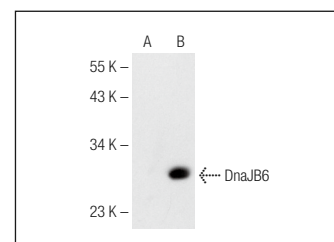
RECOMMENDED SUPPORT REAGENTS

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



DnaJB6 (B-5): sc-365574. Western blot analysis of DnaJB6 expression in non-transfected: sc-110760 (A) and human DnaJB6 transfected: sc-110582 (B) 293 whole cell lysates.



DnaJB6 (F-8): sc-365573. Western blot analysis of DnaJB6 expression in non-transfected: sc-110760 (A) and human DnaJB6 transfected: sc-110582 (B) 293 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.