

ACTR5 (h): 293T Lysate: sc-114374

BACKGROUND

ACTR5 (Actin-related protein 5), also known as ARP5 or INO80M, is a 607 amino acid protein that belongs to the Actin family. Functioning as a component of the INO80 chromatin remodeling complex, ACTR5 interacts with a variety of other Actin-related proteins and, via these interactions, is thought to be involved in transcriptional regulation events. The gene encoding ACTR5 maps to chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: ACTR5 (human) mapping to 20q11.23.

PRODUCT

ACTR5 (h): 293T Lysate represents a lysate of human ACTR5 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

RESEARCH USE

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

APPLICATIONS

ACTR5 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive ACTR5 antibodies. Recommended use: 10-20 µl per lane.

Control 293T Lysate: sc-110752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

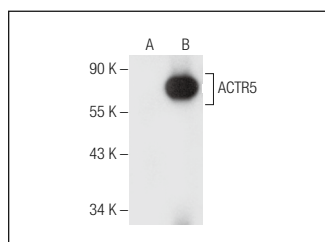
ACTR5 (F-12): sc-376364 is recommended as a positive control antibody for Western Blot analysis of enhanced human ACTR5 expression in ACTR5 transfected 293 cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

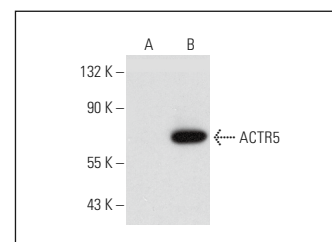
To ensure optimal results, the following support reagents are recommended:

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



ACTR5 (F-12): sc-376364. Western blot analysis of ACTR5 expression in non-transfected: sc-117752 (A) and human ACTR5 transfected: sc-114374 (B) 293T whole cell lysates.



ACTR5 (D-10): sc-515343. Western blot analysis of ACTR5 expression in non-transfected: sc-117752 (A) and human ACTR5 transfected: sc-114374 (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.

PROTOCOLS

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