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α -centractin (h): 293T Lysate: sc-127874

BACKGROUND

α -centractin, also known as ACTR1A, CTRN1, ARP1, actin-RPV or centrosome-associated actin homolog, is a 376 amino acid cytoplasmic protein that belongs to the actin family and the ARP1 subfamily. While it is associated with the centrosome, α -centractin is a component of a multi-subunit complex involved in microtubule based vesicle motility. The gene that encodes α -centractin maps to human chromosome 10q24.32. Spanning nearly 135 million base pairs, chromosome 10 makes up approximately 4.5% of total DNA in cells and encodes nearly 1,200 genes. Defects in some of the genes that map to chromosome 10 are associated with Charcot-Marie-Tooth disease, Jackson-Weiss syndrome, Usher syndrome, nonsyndromic deafness, Wolman's syndrome, Cowden syndrome, multiple endocrine neoplasia type 2 and porphyria.

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CHROMOSOMAL LOCATION

Genetic locus: ACTR1A (human) mapping to 10q24.32.

PRODUCT

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

APPLICATIONS

α -centractin (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive α -centractin 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.

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.