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Osteoadherin (h): 293T Lysate: sc-115940

BACKGROUND

Osteoadherin (OSAD) is a bone proteoglycan containing keratan sulfate that belongs to the small leucine-rich proteoglycan (SLRP) family. Osteoadherin promotes Integrin $\alpha_v\beta_3$ -mediated cell binding. The central region of Osteoadherin consists of 11 B-type, leucine-rich repeats ranging in length from 20 to 30 residues. The full, primary sequence of Osteoadherin contains four putative sites for tyrosine sulfation, three of which are at the N-terminal end of the molecule, six assumed sites for N-linked glycosylation, and a large and very acidic C-terminal domain, which is unique to Osteoadherin. Expression of Osteoadherin is limited to extracellular space and the extracellular matrix, as it is a secreted protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: OMD (human) mapping to 9q22.31.

PRODUCT

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

APPLICATIONS

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

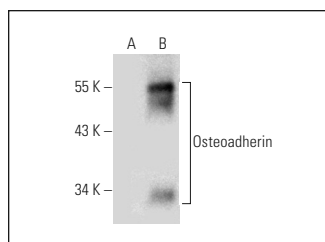
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

Osteoadherin (B-10): sc-271102 is recommended as a positive control antibody for Western Blot analysis of enhanced human Osteoadherin expression in Osteoadherin transfected 293T 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-IgG κ BP-HRP: sc-516102 or m-IgG κ 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



Osteoadherin (B-10): sc-271102. Western blot analysis of Osteoadherin expression in non-transfected: sc-117752 (A) and human Osteoadherin transfected: sc-115940 (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.

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.