

LRP3 (h): 293T Lysate: sc-173161

BACKGROUND

Members of the LDL receptor gene family, including LDLR (low density lipoprotein receptor), LRP1 (low density lipoprotein related protein), Megalin (also designated GP330), VLDLR (very low density lipoprotein receptor) and ApoER2 are characterized by a cluster of cysteine-rich class A repeats, epidermal growth factor (EGF)-like repeats, YWTD repeats and an O-linked sugar domain. Low-density lipoprotein receptor-related protein 3 (LRP3) is a 770 amino acid protein that contains 2 CUB domains and 4 LDL-receptor class A domains. LRP3 is widely expressed with highest expression in skeletal muscle and ovary and lowest expression in testis, colon and leukocytes. LRP3 is potentially a membrane receptor involved in the internalization of lipophilic molecules and/or signal transduction.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LRP3 (human) mapping to 19q13.11.

PRODUCT

LRP3 (h): 293T Lysate represents a lysate of human LRP3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

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.

APPLICATIONS

LRP3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive LRP3 antibodies.

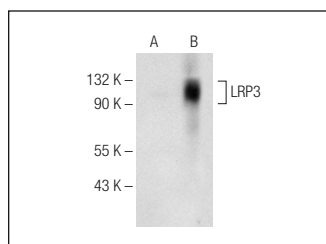
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

LRP3 (D-8): sc-373736 is recommended as a positive control antibody for Western Blot analysis of enhanced human LRP3 expression in LRP3 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-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



LRP3 (D-8): sc-373736. Western blot analysis of LRP3 expression in non-transfected: sc-117752 (A) and human LRP3 transfected: sc-173161 (B) 293T whole cell lysates.

RESEARCH USE

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