

LRRC40 (h2): 293T Lysate: sc-112258

BACKGROUND

The leucine-rich repeat (LRR) is a 20-30 amino acid motif that forms a hydrophobic α/β horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRRs contain a variable segment and a highly conserved segment, the latter of which accounts for 11 or 12 residues of the entire LRR motif. The primary function of these motifs is to provide a versatile structural framework to mediate the formation of protein-protein interactions. LRRs are present in a variety of proteins with diverse structure and function, including innate immunity and nervous system development. Several human diseases are associated with mutations in genes encoding LRR-containing proteins. LRRC40 (leucine rich repeat containing 40) is a 602 amino acid protein that contains 20 LRR (leucine-rich repeats).

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LRRC40 (human) mapping to 1p31.1.

PRODUCT

LRRC40 (h2): 293T Lysate represents a lysate of human LRRC40 transfected 293T cells and is provided as 100 μ g protein in 200 μ l 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.

RESEARCH USE

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

APPLICATIONS

LRRC40 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive LRRC40 antibodies. Recommended use: 10-20 μ l per lane.

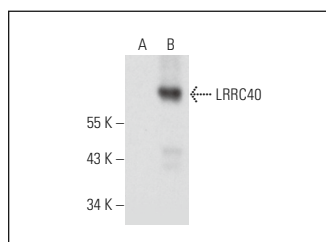
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

LRRC40 (C-8): sc-515101 is recommended as a positive control antibody for Western Blot analysis of enhanced human LRRC40 expression in LRRC40 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



LRRC40 (C-8): sc-515101. Western blot analysis of LRRC40 expression in non-transfected: sc-117752 (A) and human LRRC40 transfected: sc-112258 (B) 293T whole cell lysates.

PROTOCOLS

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