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# LRRC29 (h2): 293T Lysate: sc-174745

## BACKGROUND

The leucine-rich (LRR) repeat is a 20-30 amino acid motif that forms a hydrophobic  $\alpha/\beta$  horseshoe fold, allowing it to accommodate several leucine residues within a tightly packed core. All LRR repeats 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. LRRC29 (Leucine-rich repeat-containing protein 29), also known as f-box and leucine-rich repeat protein 9, F-box protein FBL9 or F-box/LRR-repeat protein 9, is a 223 amino acid protein that contains one F-box domain and seven LRR (leucine-rich) repeats. Expressed in the heart, kidney, liver, lung and pancreas, LRRC29 is part of a SCF (SKP1-Cullin-F-box) protein ligase complex and is encoded by a gene that maps to chromosome 16q22.1.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: LRRC29 (human) mapping to 16q22.1.

## PRODUCT

LRRC29 (h2): 293T Lysate represents a lysate of human LRRC29 transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

## RESEARCH USE

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

## APPLICATIONS

LRRC29 (h2): 293T Lysate is suitable as a Western Blotting positive control for human reactive LRRC29 antibodies. Recommended use: 10-20  $\mu$ 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.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.