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LRRC3B (h9): 293 Lysate: sc-129054

BACKGROUND

Leucine-rich repeats (LRRs) are 20-29 amino acid motifs that mediate protein-protein interactions. The primary function of these motifs is to provide a versatile structural framework for the formation of these 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 mutation in the genes encoding LRR-containing proteins. The leucine-rich repeat-containing protein 3B (LRRC3B), also designated LRP15, is a 259 amino acid protein that contains three LRR repeats. The gene encoding LRRC3B is a tumor suppressor gene that is regulated by DNA methylation. Decreased expression of LRRC3B has been shown in colorectal cancer and gastric cancer, making LRRC3B a candidate marker for those cancers.

REFERENCES

1. Kobe, B. and Kajava, A.V. 2001. The leucine-rich repeat as a protein recognition motif. *Curr. Opin. Struct. Biol.* 11: 725-732.
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4. Chen, Y., et al. 2006. AMIGO and friends: an emerging family of brain-enriched, neuronal growth modulating, type I transmembrane proteins with leucine-rich repeats (LRR) and cell adhesion molecule motifs. *Brain Res. Rev.* 51: 265-274.
5. Dolan, J., et al. 2007. The extracellular leucine-rich repeat superfamily; a comparative survey and analysis of evolutionary relationships and expression patterns. *BMC Genomics* 8: 320.
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CHROMOSOMAL LOCATION

Genetic locus: LRRC3B (human) mapping to 3p24.1.

PRODUCT

LRRC3B (h9): 293 Lysate represents a lysate of human LRRC3B transfected 293 cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

LRRC3B (h9): 293 Lysate is suitable as a Western Blotting positive control for human reactive LRRC3B antibodies. Recommended use: 10-20 µl per lane.

Control 293 Lysate: sc-110760 is available as a Western Blotting negative control lysate derived from non-transfected 293 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.