

LLGL2 (h): 293T Lysate: sc-116924

BACKGROUND

LLGL2 (lethal giant larvae homolog 2), also referred to as HGL or LGL2, is a cortical cytoskeleton protein that is a part of a larger complex of proteins. The complex, which consists of LGN, PKC ϵ and PAR-6 β , may play a role in ensuring the correct organization and orientation of bipolar spindles for normal cell division and for the initial phase of the establishment of epithelial cell polarity. In *Drosophila melanogaster*, LLGL2 is required in follicle cells for the differentiation of both stalk cells and posterior follicle cells. In humans, LLGL2 may be involved in cell proliferation control and tumorigenesis. Phosphorylation of LLGL2 is induced during cell polarization and may contribute to the segregation of LLGL2 from the PKC ϵ and PAR-6 β complex. Overexpression of LLGL2 is thought to inhibit tight junction formation in cells. LLGL2 is expressed in the cytoplasm and localizes to the perinuclear structure of the cell.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LLGL2 (human) mapping to 17q25.1.

PRODUCT

LLGL2 (h): 293T Lysate represents a lysate of human LLGL2 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

LLGL2 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive LLGL2 antibodies. Recommended use: 10-20 μ l per lane.

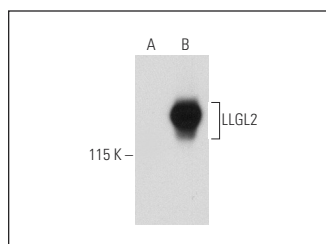
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

LLGL2 (I-13): sc-101242 is recommended as a positive control antibody for Western Blot analysis of enhanced human LLGL2 expression in LLGL2 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



LLGL2 (I-13): sc-101242. Western blot analysis of LLGL2 expression in non-transfected: sc-117752 (A) and human LLGL2 transfected: sc-116924 (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.