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Gab 3 (h): 293T Lysate: sc-128670

BACKGROUND

The Gab (GRB2-associated binder)/DOS (daughter of sevenless) family of adaptor proteins function as molecular scaffolds that mediate protein recruitment to RTKs. Cytokine/growth factor triggering of protein tyrosine kinase receptors (RTKs) initiates signaling cascades that progress to the nucleus where signals for activation, proliferation and differentiation occur. This scaffolding mechanism represents a critical link in cytokine/growth factor signaling routes. Gab 1-3 contain pleckstrin homology and potential binding sites for SH2 and SH3 domain-containing proteins. The recruitment of signaling partners to Gab family members is phosphorylation dependent. Insulin receptor and EGF-receptor signaling are among the cascades that rely on Gab family members to elicit a nuclear response to an extracellular stimulus. The human GAB3 gene maps to chromosome Xq28 and encodes a 586 amino acid protein.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: GAB3 (human) mapping to Xq28.

PRODUCT

Gab 3 (h): 293T Lysate represents a lysate of human Gab 3 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.

APPLICATIONS

Gab 3 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive Gab 3 antibodies. Recommended use: 10-20 µl per lane.

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

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.