



Odin (m): 293T Lysate: sc-122225

BACKGROUND

The deduced 1,134-amino acid Odin (ANKS1A) protein plays a putative negative role in growth factor receptor signaling pathways. Odin undergoes phosphorylation on tyrosine residues in response to growth factors EGF and PDGF, but not in response to cytokines, such as IL3 or erythropoietin. The PTB domain of Odin is not required for its tyrosine phosphorylation. Odin is a cytoplasmic protein before and after growth factor treatment, and is widely expressed at the protein level. Odin contains six ANK repeats, one PID domain, and two SAM (sterile α motif) domains. Overexpression of Odin inhibits EGF-induced activation of the FOS promoter. The gene which encodes Odin, ANKS1A, localizes to chromosome 6p21.31.

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CHROMOSOMAL LOCATION

Genetic locus: Anks1 (mouse) mapping to 17 A3.3.

PRODUCT

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

APPLICATIONS

Odin (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive Odin 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.

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.