# SCYL3 (m): 293T Lysate: sc-123396



The Power to Question

## **BACKGROUND**

SCYL3 (SCY1-like 3), also known as protein-associating with the carboxylterminal domain of ezrin, is a 742 amino acid protein that belongs to the protein kinase superfamily. The SCYL3 protein contains an N-terminal myristoylation consensus sequence, followed by a protein kinase domain, two tandemly arrayed HEAT motifs composed of pairs of antiparallel  $\alpha$  helices, and a C-terminal ezrin-binding domain. The SCYL3 protein may be phosphorylated. Ubiquitously expressed, the SCYL3 protein colocalizes with ezrin, actin and HCAM in lamellipodia. The SCYL3 protein may be myristoylated, which may target SCYL3 to Golgi compartment. Existing as 2 alternatively spliced isoforms, the SCYL3 gene contains 14 exons, is conserved in chimpanzee, canine, bovine, mouse, rat, chicken, zebrafish, fruit fly and mosquito, and maps to human chromosome 1q24.2.

#### **REFERENCES**

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# **CHROMOSOMAL LOCATION**

Genetic locus: Scyl3 (mouse) mapping to 1 H2.2.

## **RESEARCH USE**

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

# **PRODUCT**

SCYL3 (m): 293T Lysate represents a lysate of mouse SCYL3 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## **APPLICATIONS**

SCYL3 (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive SCYL3 antibodies. Recommended use: 10-20 µl per lane.

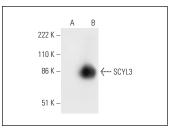
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

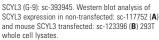
SCYL3 (G-9): sc-393945 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse SCYL3 expression in SCYL3 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

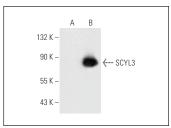
## **RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-lgG $\kappa$  BP-HRP: sc-516102 or m-lgG $\kappa$  BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker<sup>TM</sup> Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

#### DATA







SCYL3 (E-7): sc-398106. Western blot analysis of SCYL3 expression in non-transfected: sc-117752 (A) and mouse SCYL3 transfected: sc-123396 (B) 293T whole cell Ivsates.

#### **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 for detailed protocols and support products.