SANTA CRUZ BIOTECHNOLOGY, INC.

# Paip1 (h): 293 Lysate: sc-112247

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*The Power to Question*

## BACKGROUND

Paip, for PABP-interacting protein, binds to the polyadenylate-binding protein (PABP), which in yeasts and plants has been shown to bind to the eukaryotic initiation factor component eIF4G. There are two Paip proteins called Paip1 and Paip2. Paip1 stimulates translation, and Paip2, which competes with Paip1 for binding to PABP, represses translation. Paip2 decreases the affinity of PABP for polyadenylate RNA, and disrupts the repeating structure of poly(A) ribonucleoprotein. Paip1 contains an eIF4A-binding region and a proline-rich N-terminus. Overexpression of Paip1 in COS7 cells stimulates translation, perhaps by providing a physical link between the mRNA termini. The human Paip1 gene encodes a 480 amino acid protein.

## REFERENCES


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## CHROMOSOMAL LOCATION

Genetic locus: PAIP1 (human) mapping to 5p12.

## PRODUCT

Paip1 (h): 293 Lysate represents a lysate of human Paip1 transfected 293 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

Paip1 (h): 293 Lysate is suitable as a Western Blotting positive control for human reactive Paip1 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-tranfected 293 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.