

PABPC4 (h): 293T Lysate: sc-116998

BACKGROUND

The PABPC4 (poly(A) binding protein, cytoplasmic 4) protein, also designated APP1 (activated-platelet protein 1), iPABP or PABP4, is a 644 amino acid cytoplasmic protein that contains one PABC domain and four RNA recognition motif domains. Expressed at low levels in resting T cells and at higher levels in activated T cells, PABPC4 functions to bind to the poly(A) tail of mRNA and, via this binding, is thought to be involved in metabolic processes that involve mRNA in the cytoplasm. Additionally, PABPC4 may be involved in the regulation of platelet and megakaryocyte formation and may bind and stabilize polyadenylates in platelet dense granules. Human PABPC4 shares 99% homology with its rabbit counterpart, suggesting a conserved role between species. Multiple isoforms of PABPC4 exist due to alternative splicing events.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PABPC4 (human) mapping to 1p34.3.

PRODUCT

PABPC4 (h): 293T Lysate represents a lysate of human PABPC4 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

APPLICATIONS

PABPC4 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive PABPC4 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.

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.