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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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SANTA CRUZ BIOTECHNOLOGY, INC.

rat testis extract: sc-2400

BACKGROUND

Santa Cruz Biotechnology, Inc. offers a range of mammalian organ tissue protein extracts for use in combination with research antibodies as Western blotting controls. Human *(Homo sapiens)*, mouse *(Mus musculus)*, and rat *(Rattus norvegicus)* whole tissue extracts are derived from normal, healthy, and non-diseased tissue specimens. Mouse and rat animals are maintained under controlled conditions, and determined in good health by DVM. Human cadaver tissue via patient consent, are with infectious disease and serological testing. Whole tissue extraction preparation methodology (RIPA Lysis Buffer System (sc-24948)) ensures both protein integrity, and lot-to-lot reproducibility. Tissue extracts are tested by western blotting in order to ensure, that each preparation contains a consistent concentration and assortment of proteins.

SOURCE

rat testis extract is derived from normal, healthy rat testis tissue.

PRODUCT

Each vial contains 500 µg protein in 200 µl of an SDS-PAGE Western Blotting buffer, which consists of 100 µl RIPA Lysis Buffer (sc-24948) and 100 µl Electrophoresis Sample Buffer, 2X (sc-24945).

APPLICATIONS

rat testis extract is provided as a Western Blotting positive control. Recommended use is 50 µg (20 µl) per lane. Tissue extract vial should be placed at 95° C for 3- 5 minutes once prior to use.

PREPARATION METHOD

Frozen tissues are reduced to a granular powder using a mechanical tissue grinder. Tissues are then suspended in a lysis solution (RIPA Lysis Buffer System (sc-24948)), and undergo sonication. Insoluble cellular debris removal is performed by centrifugation. The tissue extraction is adjusted to contain 500 µg of total cellular protein in 100 µl before adding an equal 100 µl volume of Electrophoresis Sample Buffer, 2X (sc-24945). Final concentration of product is 500 µg total protein in a final volume of 200 µl.

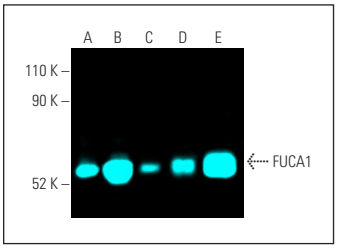
STORAGE

Store at -20° C, avoid repeated freeze/thaw cycles. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

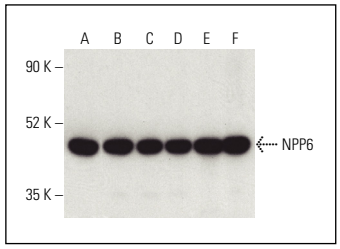
RESEARCH USE

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

DATA



FUCA1 (G-12) Alexa Fluor® 647: sc-365496 AF647. Direct fluorescent western blot analysis of FUCA1 expression in T24 (**A**), KNRK (**B**) and SK-MEL-28 (**C**) whole cell lysates and rat testis (**D**) and human spleen (**E**) tissue extracts. Blocked with UltraCruz® Blocking Reagent: sc-516214.



NPP6 (G-9): sc-373900. Western blot analysis of NPP6 expression in SK-N-SH (**A**), Neuro-2A (**B**) and F9 (**C**) whole cell lysates and rat testis (**D**), human brain (**E**) and mouse brain (**F**) tissue extracts. Detection reagent used: m-IgGκ BP-HRP: sc-516102.

SELECT PRODUCT CITATIONS

1. Iwata, A., et al. 2005. Traumatic brain injury induces biphasic upregulation of ApoE and ApoJ protein in rats. J. Neurosci. Res. 82: 103-114.
2. Saleh, S.N., et al. 2008. Diverse properties of store-operated TRPC channels activated by protein kinase C in vascular myocytes. J. Physiol. 586: 2463-2476.
3. Ponsot, E., et al. 2012. Telomere length and regulatory proteins in human skeletal muscle with and without ongoing regenerative cycles. Exp. Physiol. 97: 774-784.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.