

UXT (J-19): sc-102152

BACKGROUND

UXT (Ubiquitously expressed transcript protein), also known as ART-27 (Androgen receptor trapped clone 27 protein), is a 157 amino acid protein that is found in the nucleus, cytoplasm, cytoskeleton and centrosome. Expressed ubiquitously, UTX is found at the highest levels in the heart, kidney, liver, adrenal gland, skeletal muscle, peripheral blood leukocytes, lymph node and pancreas. The primary function of UXT is to interact with the N-terminus of the androgen receptor and facilitate receptor-induced transcriptional activation. UXT is also thought to be a component of LRP130, a multidomain organizer that integrates cytoskeletal networks with vesicular trafficking, chromosome remodeling, transcription and cytokinesis. Furthermore, the overexpression of UXT in a number of tumor tissues has suggested that UXT plays a role in tumorigenesis.

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STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

CHROMOSOMAL LOCATION

Genetic locus: UXT (human) mapping to Xp11.23

SOURCE

UXT (J-19) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping raised against UXT of human origin.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide, 0.1% gelatin and < 0.02% sucrose.

APPLICATIONS

UXT (J-19) is recommended for detection of UXT of human and dog origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for UXT siRNA (h): sc-90973, UXT shRNA Plasmid (h): sc-90973-SH and UXT shRNA (h) Lentiviral Particles: sc-90973-V.

Molecular Weight of UXT: 18 kDa.

Positive Controls: Hep G2 cell lysate: sc-2227.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

RESEARCH USE

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

PROTOCOLS

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