UXT (K-13): sc-132491



The Power to Question

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 primay 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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CHROMOSOMAL LOCATION

Genetic locus: UXT (human) mapping to Xp11.23; Uxt (mouse) mapping to X A1.3.

SOURCE

UXT (K-13) is an affinity purified goat polyclonal antibody raised against a peptide mapping within an internal region of UXT of human origin.

PRODUCT

Each vial contains 200 μg IgG in 1.0 ml of PBS with <0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-132491 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

Available as TransCruz reagent for Gel Supershift and ChIP applications, sc-132491 X, 200 μ q/0.1 ml.

APPLICATIONS

UXT (K-13) is recommended for detection of UXT of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

UXT (K-13) is also recommended for detection of UXT in additional species, including equine.

Suitable for use as control antibody for UXT siRNA (h): sc-90973, UXT siRNA (m): sc-154963, UXT shRNA Plasmid (h): sc-90973-SH, UXT shRNA Plasmid (m): sc-154963-SH, UXT shRNA (h) Lentiviral Particles: sc-90973-V and UXT shRNA (m) Lentiviral Particles: sc-154963-V.

UXT (K-13) X TransCruz antibody is recommended for Gel Supershift and ChIP applications.

Molecular Weight of UXT: 18 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use donkey anti-goat IgG-HRP: sc-2020 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible donkey anti-goat IgG-HRP: sc-2033 (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) Immunofluorescence: use donkey anti-goat IgG-FITC: sc-2024 (dilution range: 1:100-1:400) or donkey anti-goat IgG-TR: sc-2783 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

STORAGE

Store at 4° C, **DO NOT FREEZE**. 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.

PROTOCOLS

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