




Product datasheet

Anti-UXT antibody ab77483

[1 References](#) [1 Image](#)

Overview

Product name	Anti-UXT antibody
Description	Goat polyclonal to UXT
Host species	Goat
Specificity	ab77483 is expected to recognize both reported isoforms (NP_004173.1; NP_705582.1).
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Horse, Cow, Dog, Chimpanzee, Rhesus monkey 
Immunogen	Synthetic peptide: C-DHRDKVYEQLAKY , from an internal region of Human UXT (NP_004173.1; NP_705582.1).  Run BLAST with  Run BLAST with
Positive control	Human Kidney and Skeletal Muscle lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	ab77483 is purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunising peptide.

Clonality	Polyclonal
Isotype	IgG

Applications

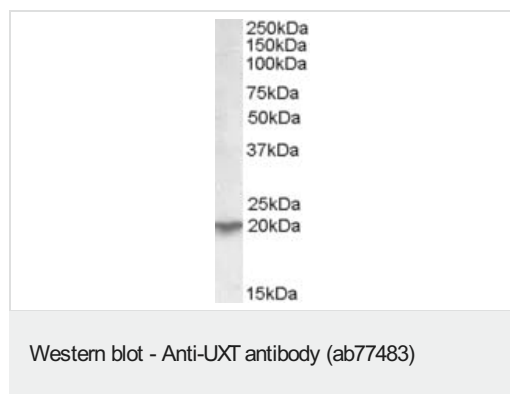
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab77483 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use a concentration of 0.01 - 0.03 µg/ml. Detects a band of approximately 20 kDa (predicted molecular weight: 18 kDa). 1 hour primary incubation is recommended for this product.

Target

Function	Involved in gene transcription regulation. Acts in concert with the corepressor URI1 to regulate androgen receptor transcription (AR). AR N-terminus-associated coactivator which may play a role in facilitating receptor-induced transcriptional activation (PubMed:11854421). Potential component of mitochondrial-associated LRPPRC, a multidomain organizer that potentially integrates mitochondria and the microtubular cytoskeleton with chromosome remodeling (PubMed:11827465). Increasing concentrations of UXT contributes to progressive aggregation of mitochondria and cell death potentially through its association with LRPPRC (PubMed:17554592). May be a nuclear chaperone that promotes formation of the NF-kappa-B enhanceosome and which is essential for its nuclear function (PubMed:17620405). Suppresses cell transformation and it might mediate this function by interaction and inhibition of the biological activity of cell proliferation and survival stimulatory factors like MECOM (PubMed:17635584). Together with URI1, associates with chromatin to the NKX3-1 promoter region.
Tissue specificity	Ubiquitous. Expressed in prostate epithelial cells. Overexpressed in a number of tumor tissues (PubMed:16221885). Highest levels in the heart, skeletal muscle, pancreas, kidney, liver, adrenal gland, peripheral blood leukocytes, lymph node, prostate, and thyroid and the lowest levels in bladder and uterus.
Sequence similarities	Belongs to the UXT family.
Cellular localization	Cytoplasm. Cytoplasm > cytoskeleton. Cytoplasm > cytoskeleton > centrosome. Nucleus.

Images



Anti-UXT antibody (ab77483) at 0.03 µg/ml + Human Kidney lysate
(in RIPA buffer) at 35 µg

Predicted band size: 18 kDa

Observed band size: 20 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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