

Goat Anti-UXT Antibody
Peptide-affinity purified goat antibody
Catalog # AF2139a**Specification**

Goat Anti-UXT Antibody - Product Information

Application	WB, IHC
Primary Accession	O9UBK9
Other Accession	NP_705582 , 8409
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	18246

Goat Anti-UXT Antibody - Additional Information**Gene ID** 8409**Other Names**

Protein UXT, Androgen receptor trapped clone 27 protein, ART-27, Ubiquitously expressed transcript protein, UXT

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-UXT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-UXT Antibody - Protein Information**Name** UXT**Function**

Involved in gene transcription regulation (PubMed:28106301, PubMed:21730289). Acts in concert with the corepressor URI1 to regulate androgen receptor AR-mediated transcription (PubMed:11854421, PubMed:21730289).

Together with URI1, associates with chromatin to the NKX3-1 promoter region (PubMed:21730289). Negatively regulates the transcriptional activity of the estrogen receptor ESR1 by inducing its translocation into the cytoplasm (PubMed:28106301). May act as nuclear chaperone that facilitates the formation of the NF-kappa-B enhanceosome and thus positively regulates NF-kappa-B transcription activity (PubMed:17620405, PubMed:21307340). Potential component of mitochondrial-associated LRPPRC, a multidomain organizer that potentially integrates mitochondria and the microtubular cytoskeleton with chromosome remodeling (PubMed:17554592). Increasing concentrations of UXT contributes to progressive aggregation of mitochondria and cell death potentially through its association with LRPPRC (PubMed:17554592). 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).

Cellular Location

[Isoform 1]: Cytoplasm Cytoplasm. Nucleus. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole Note=Predominantly localizes to the nucleus (PubMed:16221885) Localizes to spindle pole during mitosis (PubMed:16221885)

Tissue Location

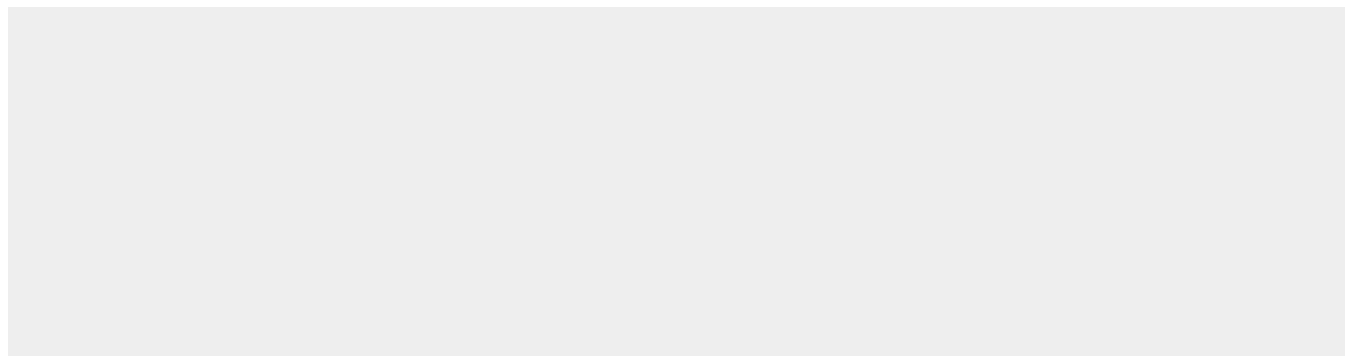
Ubiquitous (PubMed:10087202, PubMed:11854421, PubMed:17635584, PubMed:11827465). Expressed in prostate epithelial cells (PubMed:21730289). Expressed in mammary epithelial cells (PubMed:28106301). Highest levels in the heart, skeletal muscle, pancreas, kidney, liver, adrenal gland, peripheral blood leukocytes, lymph node, prostate, and thyroid and the lowest levels in bladder and uterus (PubMed:11854421, PubMed:17635584, PubMed:11827465) Overexpressed in a number of tumor tissues (PubMed:11854421, PubMed:16221885, PubMed:28106301).

Goat Anti-UXT Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

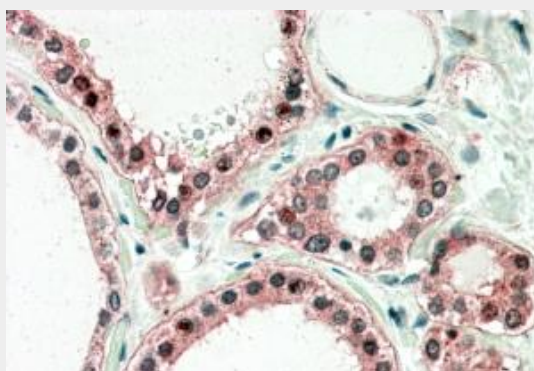
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-UXT Antibody - Images





AF2139a (0.03 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2139a (5 µg/ml) staining of paraffin embedded Human Thyroid Gland. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-UXT Antibody - Background

This gene encodes a novel protein which is highly conserved in mouse. It interacts with the N-terminus of the androgen receptor and plays a role in facilitating receptor-induced transcriptional activation. It is also likely to be involved in tumorigenesis as it is abundantly expressed in tumor tissues. This gene is part of a gene cluster on chromosome Xp11.23. Alternative splicing results in 2 transcript variants encoding different isoforms.

Goat Anti-UXT Antibody - References

High-resolution mapping of the protein interaction network for the human transcription machinery and affinity purification of RNA polymerase II-associated complexes. Cloutier P, et al. Methods, 2009 Aug. PMID 19450687.

Transcriptional regulation of the androgen receptor cofactor androgen receptor trapped clone-27. Nwachukwu JC, et al. Mol Endocrinol, 2007 Dec. PMID 17761951.

Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375.

UXT interacts with the transcriptional repressor protein EVI1 and suppresses cell transformation. McGilvray R, et al. FEBS J, 2007 Aug. PMID 17635584.

UXT is a novel and essential cofactor in the NF-kappaB transcriptional enhanceosome. Sun S, et al. J Cell Biol, 2007 Jul 16. PMID 17620405.