

**UXT Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS16078****Specification**

---

**UXT Antibody (C-Terminus) - Product Information**

Application	WB
Primary Accession	<a href="#">Q9UBK9</a>
Reactivity	Human, Rabbit, Monkey, Pig, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	18kDa KDa

**UXT Antibody (C-Terminus) - Additional Information****Gene ID** 8409**Other Names**

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

**Target/Specificity**

Human UXT. This antibody is expected to recognize both reported isoforms (NP\_004173.1; NP\_705582.1).

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

UXT Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**UXT Antibody (C-Terminus) - Protein Information****Name** UXT**Function**

Involved in gene transcription regulation (PubMed:<a href="http://www.uniprot.org/citations/28106301" target="\_blank">28106301</a>, PubMed:<a href="http://www.uniprot.org/citations/21730289" target="\_blank">21730289</a>). Acts in concert with the corepressor URI1 to regulate androgen receptor AR-mediated transcription (PubMed:<a href="http://www.uniprot.org/citations/11854421" target="\_blank">11854421</a>, PubMed:<a href="http://www.uniprot.org/citations/21730289" target="\_blank">21730289</a>). Together with URI1, associates with chromatin to the NKX3-1 promoter region (PubMed:<a href="http://www.uniprot.org/citations/21730289" target="\_blank">21730289</a>). Negatively regulates the transcriptional activity of the estrogen receptor ESR1 by inducing its translocation into the cytoplasm (PubMed:<a href="http://www.uniprot.org/citations/28106301" target="\_blank">28106301</a>). 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:<a href="http://www.uniprot.org/citations/17620405" target="\_blank">17620405</a>, PubMed:<a href="http://www.uniprot.org/citations/21307340" target="\_blank">21307340</a>). Potential component of mitochondrial-associated LRPPRC, a multidomain organizer that potentially integrates mitochondria and the microtubular cytoskeleton with chromosome remodeling (PubMed:<a href="http://www.uniprot.org/citations/17554592" target="\_blank">17554592</a>). Increasing concentrations of UXT contributes to progressive aggregation of mitochondria and cell death potentially through its association with LRPPRC (PubMed:<a href="http://www.uniprot.org/citations/17554592" target="\_blank">17554592</a>). 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:<a href="http://www.uniprot.org/citations/17635584" target="\_blank">17635584</a>).

### 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).

### UXT Antibody (C-Terminus) - 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](#)

### UXT Antibody (C-Terminus) - Images



UXT antibody (0.03 ug/ml) staining of Human Kidney lysate (35 ug protein/ml in RIPA buffer).

#### **UXT Antibody (C-Terminus) - Background**

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.

#### **UXT Antibody (C-Terminus) - References**

Schroer A.,et al.Genomics 56:340-343(1999).  
Markus S.M.,et al.Mol. Biol. Cell 13:670-682(2002).  
McGilvray R.,et al.FEBS J. 274:3960-3971(2007).  
Zhang Q.-H.,et al.Genome Res. 10:1546-1560(2000).  
Zhou J.,et al.Submitted (AUG-1998) to the EMBL/GenBank/DDBJ databases.