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# UXT antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12857

## Product Information

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| **Application** | WB |
| **Primary Accession** | Q9UBK9 |
| **Other Accession** | NM_004182, NP_004173 |
| **Reactivity** | Human, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine |
| **Predicted** | Human, Pig, Dog, Guinea Pig, Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 18246 |

## Additional Information

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| **Gene ID** | 8409 |
| **Alias Symbol** | ART-27, STAP1 |
| **Other Names** | Protein UXT, Androgen receptor trapped clone 27 protein, ART-27, Ubiquitously expressed transcript protein, UXT |
| **Format** | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. |
| **Reconstitution & Storage** | Add 100 ul of distilled water. Final anti-UXT antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles. |
| **Precautions** | UXT antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **Name** | UXT |
| **Function** | Involved in gene transcription regulation (PubMed: 21730289, PubMed:28106301). 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 |

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| | 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:11827465, PubMed:11854421, PubMed:17635584). 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:11827465, PubMed:11854421, PubMed:17635584) Overexpressed in a number of tumor tissues (PubMed:11854421, PubMed:16221885, PubMed:28106301). |

## References

Nwachukwu,J.C.,(2007)Mol.Endocrinol.21(12),2864-2876ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week.Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images




WB Suggested Anti-UXT Antibody Titration: 1.25µg/ml
Positive Control: HepG2 cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.