

UXT antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12857

Product Information

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

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

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

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), 2864-2876 Reconstitution and Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



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

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