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UXT antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12857

Specification

UXT antibody - N-terminal region - Product Information

Application	**WB**
Primary Accession	Q9UBK9
Other Accession	NM_004182, NP_004173
Reactivity	**Human, Rat, Rabbit, Pig, Horse, Bovine, Guinea Pig, Dog**
Predicted	**Human, Pig, Bovine, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**18kDa KDa**

UXT antibody - N-terminal region - 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.

UXT antibody - N-terminal region - 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:<a

href="http://www.uniprot.org/citations/21730289" target="_blank">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).

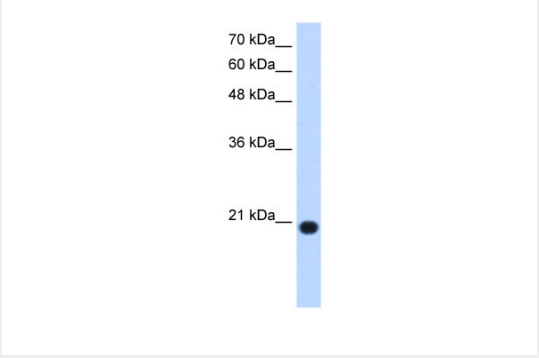
UXT antibody - N-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

UXT antibody - N-terminal region - Images

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

UXT antibody - N-terminal region - References

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