10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-URI1 Antibody

Catalog # AP51846

Product Information

Application	WB, IHC
Primary Accession	O94763
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59832

Additional Information

Gene ID	8725
Other Names	C19orf2; NNX3; PPP1R19; RMP; URI; Unconventional prefoldin RPB5 interactor 1; Protein NNX3; Protein phosphatase 1 regulatory subunit 19; RNA polymerase II subunit 5-mediating protein; RPB5-mediating protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human URI1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

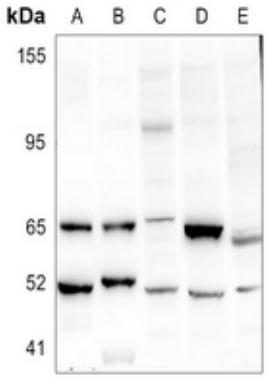
Name	URI1
Synonyms	C19orf2, NNX3, PPP1R19, RMP, URI
Function	Involved in gene transcription regulation. Acts as a transcriptional repressor in concert with the corepressor UXT to regulate androgen receptor (AR) transcription. May act as a tumor suppressor to repress AR-mediated gene transcription and to inhibit anchorage-independent growth in prostate cancer cells. Required for cell survival in ovarian cancer cells. Together with UXT, associates with chromatin to the NKX3-1 promoter region. Antagonizes transcriptional modulation via hepatitis B virus X protein.
Cellular Location	Nucleus. Cytoplasm. Mitochondrion. Cell projection, dendrite. Note=Colocalizes with PFDN2, PFDN4, PPP1CC, RPS6KB1 and STAP1 at mitochondrion

Tissue Location	Ubiquitous. Expressed in ovarian cancers (at protein level). Expressed strongly in skeletal muscle. Expressed weakly in brain, heart, pancreas and in prostate epithelial cells

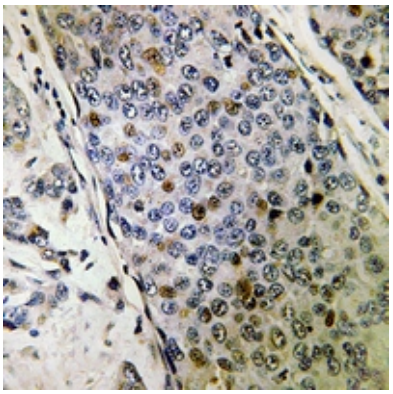
References

Van Leuven F.,et al.Genomics 54:511-520(1998).
Dorjsuren D.,et al.Mol. Cell. Biol. 18:7546-7555(1998).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Grimwood J.,et al.Nature 428:529-535(2004).
Wei W.,et al.Cell Res. 13:111-120(2003).

Images



Western blot analysis of URI1 expression in mouse brain (A), rat stomach (B), PC3 (C), SP20 (D), H9C2 (E) whole cell lysates. (Predicted band size: 59; 56; 51; 53 kD; Observed band size: 64; 52 kD)



Immunohistochemical analysis of URI1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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