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RMP (URI) Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP1960b

Specification

RMP (URI) Antibody (C-term) Blocking peptide - Product Information

Primary Accession O94763

RMP (URI) Antibody (C-term) Blocking peptide - Additional Information

Gene ID 8725

Other Names
Unconventional prefoldin RPB5 interactor 1, Protein NNX3, Protein phosphatase 1 regulatory subunit 19, RNA polymerase II subunit 5-mediating protein, RPB5-mediating protein, URI1, C19orf2, NNX3, PPP1R19, RMP, URI

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP1960b was selected from the C-term region of human RMP. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RMP (URI) Antibody (C-term) Blocking peptide - 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

RMP (URI) Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

RMP (URI) Antibody (C-term) Blocking peptide - Images

RMP (URI) Antibody (C-term) Blocking peptide - Background

The protein encoded by this gene binds to RNA polymerase II subunit 5 (RPB5) and negatively modulates transcription through its binding to RPB5. The encoded protein seems to have inhibitory effects on various types of activated transcription, but it requires the RPB5-binding region. This protein acts as a corepressor. It is suggested that it may require signaling processes for its function or that it negatively modulates genes in the chromatin structure. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene.

RMP (URI) Antibody (C-term) Blocking peptide - References

Delgermaa, L., et al., Mol. Cell. Biol. 24(19):8556-8566 (2004).Gstaiger, M., et al., Science 302(5648):1208-1212 (2003).Van Leuven, F., et al., Genomics 54(3):511-520 (1998).Dorjsuren, D., et al., Mol. Cell. Biol. 18(12):7546-7555 (1998).