

RMP Antibody

Catalog No: #35006

Package Size: #35006-1 50ul #35006-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

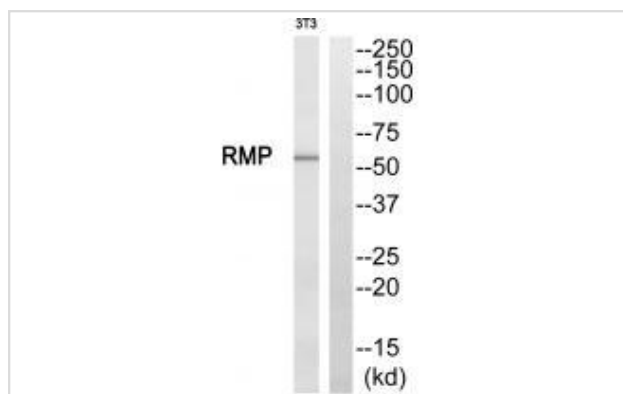
Product Name	RMP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total RMP protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from C-terminal of human RMP.
Target Name	RMP
Other Names	NNX3; RNA polymerase II subunit 5-mediating protein; RNA polymerase II; subunit 5-mediating protein; RPB5-mediating protein
Accession No.	Swiss-Prot: O94763NCBI Gene ID: 8725
Uniprot	O94763
GeneID	8725;
SDS-PAGE MW	56kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

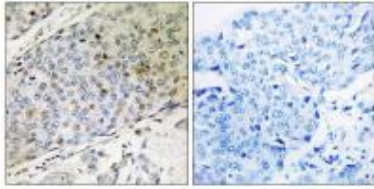
Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from NIH/3T3 cells, using RMP antibody #35006.

Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using RMP antibody #35006.



Background

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. Plays a central role in maintaining S6K1 signaling and BAD phosphorylation under normal growth conditions thereby protecting cells from potential deleterious effects of sustained S6K1 signaling. The URI1-PPP1CC complex acts as a central component of a negative feedback mechanism that counteracts excessive S6K1 survival signaling to BAD in response to growth factors. Mediates inhibition of PPP1CC phosphatase activity in mitochondria. Coordinates the regulation of nutrient-sensitive gene expression availability in a mTOR-dependent manner. Seems to be a scaffolding protein able to assemble a prefoldin-like complex that contains PFDs and proteins with roles in transcription and ubiquitination.

Van Leuven F., Genomics 54:511-520(1998).

Ota T., Nat. Genet. 36:40-45(2004).

Grimwood J., Nature 428:529-535(2004).

Note: This product is for in vitro research use only