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# RBPMS2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12121c

## Product Information

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|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q6ZRY4 |
| **Other Accession** | Q9YGP5, Q9W6I1, NP_919248.1 |
| **Reactivity** | Mouse |
| **Predicted** | Chicken, Xenopus, Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB29796 |
| **Calculated MW** | 22497 |
| **Antigen Region** | 113-141 |

## Additional Information

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|---|---|
| **Gene ID** | 348093 |
| **Other Names** | RNA-binding protein with multiple splicing 2, RBPMS2 |
| **Target/Specificity** | This RBPMS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 113-141 amino acids from the Central region of human RBPMS2. |
| **Dilution** | WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | RBPMS2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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|---|---|
| **Name** | RBPMS2 |
| **Function** | RNA-binding protein involved in the regulation of smooth muscle cell differentiation and proliferation in the gastrointestinal system (PubMed:25064856). Binds NOG mRNA, the major inhibitor of the bone |

morphogenetic protein (BMP) pathway. Mediates an increase of NOG mRNA levels, thereby contributing to the negative regulation of BMP signaling pathway and promoting reversible dedifferentiation and proliferation of smooth muscle cells (By similarity). Acts as a pre- mRNA alternative splicing regulator (By similarity). Mediates ACTN1 and FLNB alternative splicing (By similarity). Likely binds to mRNA tandem CAC trinucleotide or CA dinucleotide motifs (PubMed:24860013).

**Cellular Location** Cytoplasm. Nucleus Cytoplasm, Stress granule. Note=Localized to cytoplasmic stress granules after oxidative stress

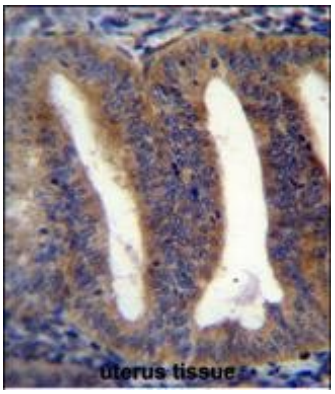
## Background

RBPMS2 contains one RRM (RNA recognition motif) domain. The exact function of RBPMS2 remains unknown.

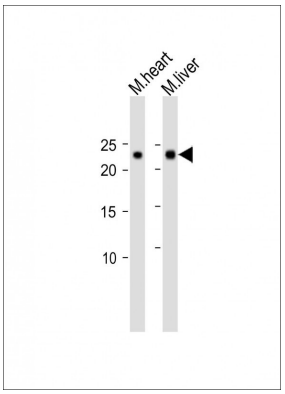
## References

Strausberg, R.L., et al. Proc. Natl. Acad. Sci. U.S.A. 99(26):16899-16903(2002)

## Images




RBPMS2 Antibody (Center) (Cat. #AP12121c)immunohistochemistry analysis in formalin fixed and paraffin embedded human uterus tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of RBPMS2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.




All lanes: Anti-RBPMS2 Antibody (Center) at 1:500 dilution Lane 1: Mouse heart lysate Lane 2: Mouse liver lysate Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 22. 5 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

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