

RBM47 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57657**Specification**

RBM47 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	A0AV96
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	64099

RBM47 Polyclonal Antibody - Additional Information**Gene ID** 54502**Other Names**

RNA-binding protein 47, RNA-binding motif protein 47, RBM47

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

RBM47 Polyclonal Antibody - Protein Information**Name** RBM47 ([HGNC:30358](#))**Function**

Single-stranded RNA-binding protein that functions in a variety of RNA processes, including alternative splicing, RNA stabilization, and RNA editing (PubMed:24038582, PubMed:24916387, PubMed:27050523, PubMed:30844405, PubMed:31358901, PubMed:34160127). Functions as an enzyme-substrate adapter for the cytidine deaminase APOBEC1. With APOBEC1 forms an mRNA editing complex involved into cytidine to uridine editing of a variety of mRNA molecules

(PubMed:24038582, PubMed:24916387, PubMed:30844405). Through the binding of their 3'UTR, also stabilizes a variety of mRNAs and regulates the expression of genes such as the interferon alpha/beta receptor and interleukin-10 (PubMed:34160127). Also involved in the alternative splicing of several genes including TJP1. Binds the pre- mRNA (U)GCAUG consensus sequences in downstream intronic regions of alternative exons, regulating their exclusion and inclusion into mRNAs (PubMed:27050523, PubMed:31358901). Independently of its RNA-binding activity, could negatively regulate MAVS by promoting its lysosomal degradation (By similarity).

Cellular Location

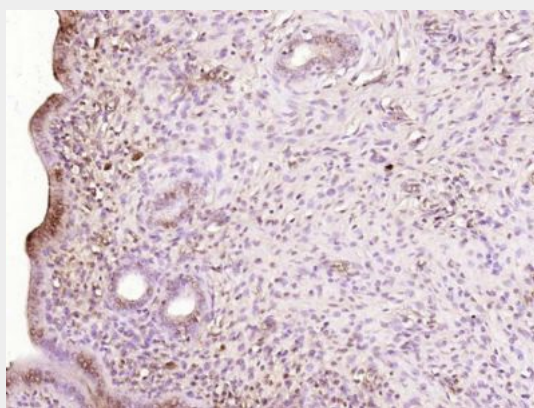
Nucleus. Cytoplasm

RBM47 Polyclonal Antibody - Protocols

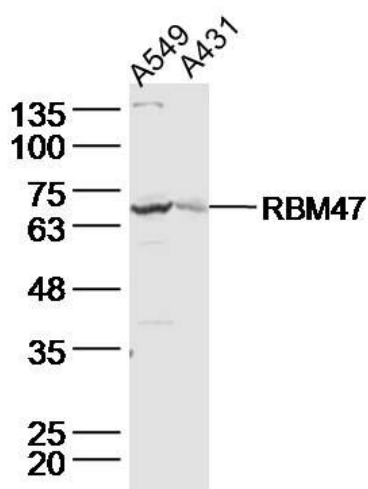
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RBM47 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Rat uterus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RBM47) Polyclonal Antibody, Unconjugated (bs-19774R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**Sample:**

A549 Cell (Human) Lysate at 40 ug

A431 Cell (Human) Lysate at 40 ug

Primary: Anti-RBM47 (bs-19774R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57/64 kD

Observed band size: 68 kD