# RBM33 polyclonal antibody

Catalog: BS34391 Host: Rabbit Reactivity: Human, Mouse

## BackGround:

RNA-binding protein 33: RNA reader protein, which recognizes and binds specific RNAs, thereby regulating RNA metabolic processes, such as mRNA export, mRNA stability and/or translation . Binds a subset of intronless RNAs containing GC-rich elements, such as NORAD, and promotes their nuclear export by recruiting target RNAs to components of the NXF1-NXT1 RNA export machinery . Specifically recognizes and binds N6-methyladenosine (m6A)-containing mRNAs, promoting their demethylation by ALKBH5 . Acts as an molecular adapter, which (1) promotes ALKBH5 recruitment to m6A-containing transcripts and (2) activates ALKBH5 demethylase activity by recruiting SENP1, leading to ALKBH5 deSUMOylation and subsequent activation

## Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

## Molecular Weight:

~130 kDa

## Swiss-Prot:

Q96EV2

## Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

## Applications:

WB (1/500 - 1/1000)

## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

Recognizes endogenous levels of RBM33 protein

## DATA:

Western blot analysis of APRT expression in THP1 (A), A549 (B), K562 (C), mouse intestine (D) whole cell lysates.

Immunohistochemical analysis of APRT staining in human prostate 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.

Immunofluorescent analysis of APRT staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

## Note:

For research use only, not for use in diagnostic procedure.

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