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Datasheet for ABIN7168346
anti-RBM4 antibody (AA 121-205) (Biotin)

Overview

Quantity:	100 µg
Target:	RBM4
Binding Specificity:	AA 121-205
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RBM4 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human RNA-binding protein 4 protein (121-205AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RBM4
Alternative Name:	RBM4 (RBM4 Products)
Background:	Background: RNA-binding factor involved in multiple aspects of cellular processes like alternative splicing of pre-mRNA and translation regulation. Modulates alternative 5' splice

Target Details

site and exon selection. Acts as a muscle cell differentiation-promoting factor. Activates exon skipping of the PTB pre-mRNA during muscle cell differentiation. Antagonizes the activity of the splicing factor PTBP1 to modulate muscle cell-specific exon selection of alpha tropomyosin. Binds to intronic pyrimidine-rich sequence of the TPM1 and MAPT pre-mRNAs. Required for the translational activation of PER1 mRNA in response to circadian clock. Binds directly to the 3' UTR of the PER1 mRNA. Exerts a suppressive activity on Cap-dependent translation via binding to CU-rich responsive elements within the 3' UTR of mRNAs, a process increased under stress conditions or during myocytes differentiation. Recruits EIF4A1 to stimulate IRES-dependent translation initiation in response to cellular stress. Associates to internal ribosome entry segment (IRES) in target mRNA species under stress conditions. Plays a role for miRNA-guided RNA cleavage and translation suppression by promoting association of AGO2-containing miRNPs with their cognate target mRNAs. Associates with miRNAs during muscle cell differentiation. Binds preferentially to 5'-CGCGCG[GCA]-3' motif in vitro.

Aliases: dkfzp547k0918 antibody, hLark antibody, lark antibody, Lark homolog antibody, lark homologue antibody, mgc75138 antibody, RBM4 antibody, rbm4 lark antibody, RBM4_HUMAN antibody, RNA binding motif 4 antibody, RNA binding motif 4a antibody, RNA-binding motif protein 4 antibody, RNA-binding motif protein 4a antibody, RNA-binding protein 4 antibody

UniProt: [Q9BWF3](#)

Pathways: [Regulation of Muscle Cell Differentiation](#), [Photoperiodism](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, -80 °C

Handling

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.