

DATASHEET

Makorin-3 Rabbit Polyclonal Antibody

CAT. NO. APA16157

KEY FEATURES

Target	Makorin-3	Source / Host	Rabbit
Reactivity	Human, Mouse	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

BACKGROUND

E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins. Acts as a key developmental timer that helps ensure puberty begins at the appropriate age, by inhibiting premature activation of the reproductive hormone cascade. Epigenetically regulates GNRH1 transcription by disrupting the binding of methyl-DNA binding protein 3/MBD3 to the promoter of GNRH1. Mechanistically, mediates the non-proteolytic ubiquitination of MBD3 at multiple sites with 'Lys27' ubiquitin linkages and thereby regulates the methylation status of the genome, including GNRH1 promoter. Modulates the stability and translation of GNRH1 mRNA by mediating the non-proteolytic ubiquitination of PABP family members PABPC1, PABPC3 and PABPC4 at multiple sites.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

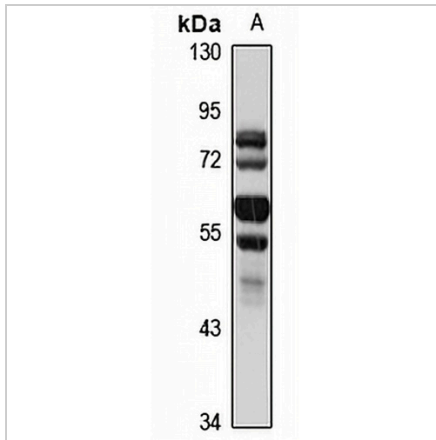
Description	Rabbit polyclonal antibody to Makorin-3
Specificity	Recognizes endogenous levels of Makorin-3 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human Makorin-3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 55 kD; Observed: 56 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	D15S9; RNF63; ZNF127; Probable E3 ubiquitin-protein ligase makorin-3; RING finger protein 63; Zinc finger protein 127
Gene Symbol	MKRN3
Entrez Gene	7681(Human); 22652(Mouse)
SwissProt	Q13064(Human); Q60764(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of Makorin-3 expression in mouse kidney (A) whole cell lysates.
(Predicted band size: 55 kD; Observed band size: 56 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.