

DATASHEET

DDX54 Rabbit Polyclonal Antibody

CAT. NO. APA08204

KEY FEATURES

Target	DDX54	Source / Host	Rabbit
Reactivity	Human	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

Nucleolar RNA helicase that is involved in diverse cellular processes including ribosome biogenesis, DNA damage response, RNA splicing, transcriptional regulation, innate immunity, and nervous system development. Plays an essential role in the formation of the ribosome active site by remodeling rRNA structure and initiating peptidyl transferase center formation. Represses the transcriptional activity of several nuclear receptors. Regulates transcriptome dynamics during DNA damage response. Mechanistically, acts via increased interaction with a well-defined class of pre-mRNAs that contain introns with weak acceptor splice sites, as well as by protein-protein contacts within components of U2 snRNP and spliceosomal B complex.

APPLICATION

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

WB	1:500 - 1:1000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

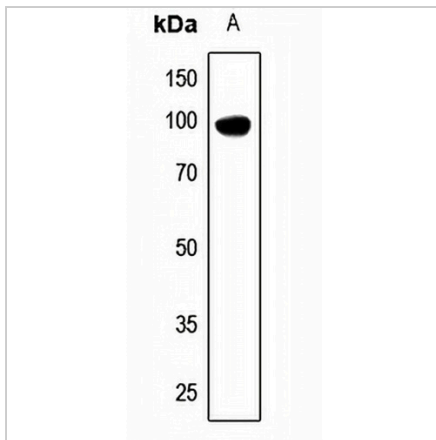
Description	Rabbit polyclonal antibody to DDX54
Specificity	Recognizes endogenous levels of DDX54 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human DDX54. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 98 kD; Observed: 98 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	ATP-dependent RNA helicase DDX54; ATP-dependent RNA helicase DP97; DEAD box RNA helicase 97 kDa; DEAD box protein 54
Gene Symbol	DDX54
Entrez Gene	79039(Human)
SwissProt	Q8TDD1(Human)

*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 DDX54 expression in H446 (A) whole cell lysates. (Predicted band size: 98 kD; Observed band size: 98 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.