

DATASHEET

WDR4 Rabbit Polyclonal Antibody

CAT. NO. APA17307

KEY FEATURES

Target	WDR4	Source / Host	Rabbit
Reactivity	Human, Rat	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

Non-catalytic component of the METTL1-WDR4 methyltransferase complex required for the formation of N(7)-methylguanine in a subset of RNA species, such as tRNAs, mRNAs and microRNAs (miRNAs) -methylguanine in a subset of RNA species, such as tRNAs, mRNAs and microRNAs (miRNAs) . In the METTL1-WDR4 methyltransferase complex, WDR4 acts as a scaffold for tRNA-binding . Required for the formation of N(7)-methylguanine at position 46 (m7G46) in a large subset of tRNAs that contain the 5'-RAGGU-3' motif within the variable loop . M7G46 interacts with C13-G22 in the D-loop to stabilize tRNA tertiary structure and protect tRNAs from decay . Also required for the formation of N(7)-methylguanine at internal sites in a subset of mRNAs .

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
----	----------------

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

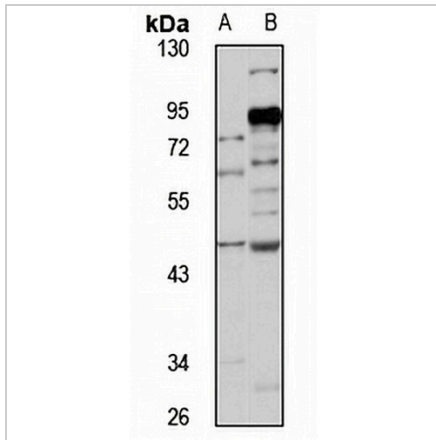
Description	Rabbit polyclonal antibody to WDR4
Specificity	Recognizes endogenous levels of WDR4 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human WDR4. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 29; Observed: 45 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	tRNA (guanine-N(7))-methyltransferase non-catalytic subunit WDR4; WD repeat-containing protein 4
Gene Symbol	WDR4
Entrez Gene	10785(Human)
SwissProt	P57081(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.

DATASHEET**WDR4 Rabbit Polyclonal Antibody**

CAT. NO. APA17307

DATA

Western blot analysis of WDR4 expression in HepG2 (A), rat lung (B) whole cell lysates. (Predicted band size: 29; 45 kD; Observed band size: 45 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.