

DATASHEET

DUS1L Rabbit Polyclonal Antibody

CAT. NO. APA17824

KEY FEATURES

| | | | |
|---------------|---|---------------|---------------------|
| Target | DUS1L | Source / Host | Rabbit |
| Reactivity | Human | Clonality | Polyclonal |
| Applications | WB, IHC | 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

Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs . Specifically modifies U16 and U17 in cytoplasmic tRNAs . Affects the level of some mature tRNA and thereby the total cellular translation .

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 |
| IHC | 1:50 - 1:200 |

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

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Rabbit polyclonal antibody to DUS1L |
| Specificity | Recognizes endogenous levels of DUS1L protein. |
| Antibody Type | Primary antibody |
| Immunogen | KLH-conjugated synthetic peptide encompassing a sequence within the C-terminal region of human DUS1L. The exact sequence is proprietary. |
| Purification | The antibody was purified by immunogen affinity chromatography. |
| Molecular Weight | Predicted: 53 kD; Observed: 53 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-dihydrouridine(16/17) synthase [NAD(P)(+)]-like; tRNA-dihydrouridine synthase 1-like |
| Gene Symbol | DUS1L |
| Entrez Gene | 64118(Human) |
| SwissProt | Q6P1R4(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.

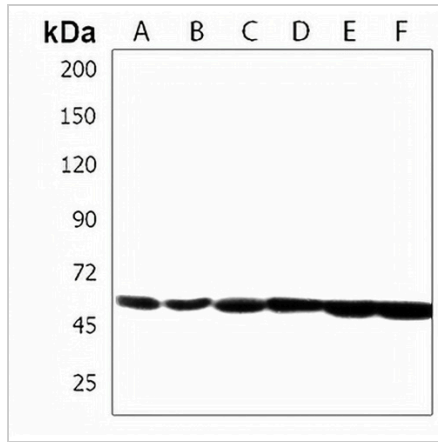
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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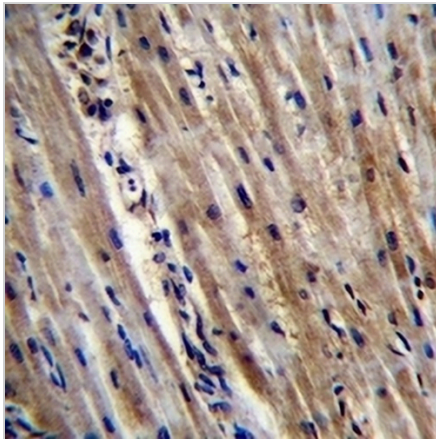
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Western blot analysis of DUS1L expression in HepG2 (A), NCIH460 (B), NCIH292 (C), WiDr (D), HeLa (E), U251 (F) whole cell lysates. (Predicted band size: 53 kD; Observed band size: 53 kD)



Immunohistochemical analysis of DUS1L staining in human heart 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.

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.