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DUS1L Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12520b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q6P1R4
Other Accession	NP_071439.3
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31482
Calculated MW	53230
Antigen Region	321-349

Additional Information

Gene ID	64118
Other Names	tRNA-dihydrouridine(16/17) synthase [NAD(P)(+)]-like, 131-, tRNA-dihydrouridine synthase 1-like, DUS1L
Target/Specificity	This DUS1L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 321-349 amino acids from the C-terminal region of human DUS1L.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	DUS1L Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DUS1L (HGNC:30086)
Function	Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs (PubMed:34798057, PubMed:39354220). Specifically

	modifies U16 and U17 in cytoplasmic tRNAs (PubMed:39354220). Affects the level of some mature tRNA and thereby the total cellular translation (PubMed:39354220).
Cellular Location	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic localization with a minor population localized to the nucleus

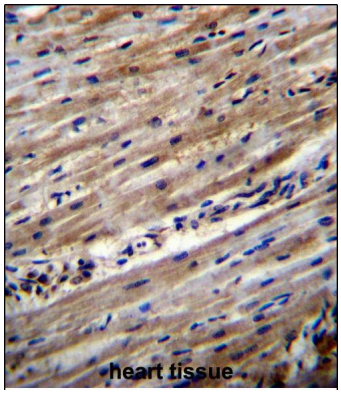
Background

DUS1L catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs (By similarity).

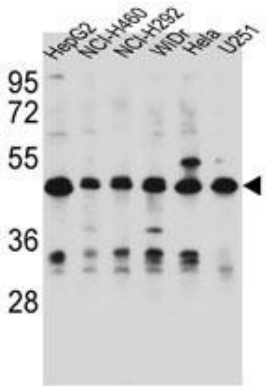
References

Gerhard, D.S., et al. Genome Res. 14 (10B), 2121-2127 (2004) :

Images



DUS1L Antibody (C-term) (Cat. #AP12520b)immunohistochemistry analysis in formalin fixed and paraffin embedded human heart tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of DUS1L Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



DUS1L Antibody (C-term) (Cat. #AP12520b) western blot analysis in HepG2,NCI-H460,NCI-H292,WiDr,Hela,U251 cell line lysates (35ug/lane).This demonstrates the DUS1L antibody detected the DUS1L protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.