Product Name: DUS2L Rabbit Polyclonal Antibody
Catalog #: APRab10200

Summary

Production Name	DUS2L Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	DUS2L
Alternative Names	DUS2L; DUS2; tRNA-dihydrouridine(20) synthase [NAD(P)+]-like; Up-regulated in lung cancer protein 8; URLC8; tRNA-dihydrouridine synthase 2-like; hDUS2
Gene ID	54920.0
SwissProt ID	Q9NX74.The antiserum was produced against synthesized peptide derived from human DUS2L. AA range:421-470

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000..
Molecular Weight	55kD

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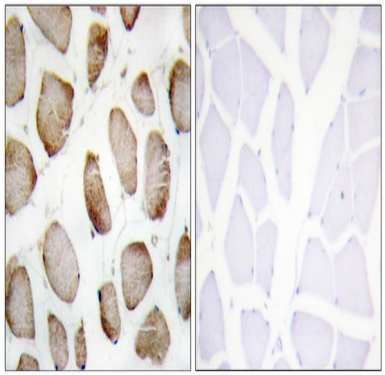
Background

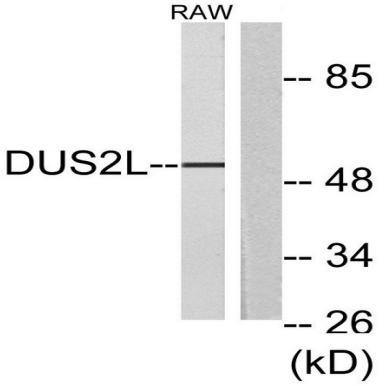
dihydrouridine synthase 2(DUS2) Homo sapiens This gene encodes a cytoplasmic protein that catalyzes the conversion of uridine residues to dihydrouridine in the D-loop of tRNA. The resulting modified bases confer enhanced regional flexibility to tRNA. The encoded protein may increase the rate of translation by inhibiting an interferon-induced protein kinase. This gene has been implicated in pulmonary carcinogenesis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Nov 2012],cofactor:FAD.,function:Dihydrouridine synthase. Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs.,similarity:Belongs to the dus family. Dus2 subfamily.,similarity:Contains 1 DRBM (double-stranded RNA-binding) domain.,subcellular location:Mainly at the endoplasmic reticulum.,subunit:Interacts with EPRS.,tissue specificity:Weak expression in heart, placenta and skeletal muscle. Up-regulated in most lung cancer cells (at protein level).,

Research Area

Image Data



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue, using DUS2L Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from RAW264.7 cells, using DUS2L Antibody. The lane on the right is blocked with the synthesized peptide.

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Note

For research use only.