SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DUS2L antibody

Catalog Number: SL14447R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DUS2L
Immunogen:	KLH conjugated synthetic peptide derived from human DUS2L: 101-200/493
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Pig,Cow,Horse,Rabbit,Sheep)
Predicted MW.:	55kDa
Subcellular Location:	cytoplasmic
Background:	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] **Function:** DUS2L is a dihydrouridine synthase that catalyzes the reduction of the 5,6-double bond of a uridine residue on the displacement loop of tRNA. The resultant modified base, 5,6-dihydrouridine, appears to increase the conformational flexibility and dynamic motion of tRNA. **Subcellular Location:** Cytoplasmic and Endoplasmic reticulum. Note=Mainly at the endoplasmic reticulum. **Similarity:** Belongs to the dus family. Dus2 subfamily. Contains 1 DRBM (double-stranded RNA-binding) domain.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Database links: **Entrez Gene:** 54920 Human Omim: 609707 Human **SwissProt:** Q9NX74 Human

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