

Rabbit DUS2L Polyclonal Antibody | anti-DUS2L antibody

DUS2L Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321025	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

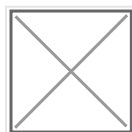
PRODUCT SYNONYMS

DUS2L; Polyclonal Antibody; DUS2L Antibody; 2310016K04Rik; dihydrouridine synthase 2 like; SMM1 homolog (S. cerevisiae); DUS2; FLJ20399; SMM1; tRNA dihydrouridine synthase 2 like; Up regulated in lung cancer; URLC8; anti-DUS2L antibody

PRODUCT SPECIFICATIONS

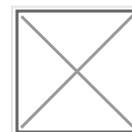
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	DUS2L antibody detects endogenous levels of DUS2L
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	493
Applicable Applications for anti-DUS2L antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human DUS2L
Subcellular Location	Cytoplasmic and Endoplasmic Reticulum. Note=Mainly at the endoplasmic reticulum.
Tissue Specificity	Weak expression in heart, placenta and skeletal muscle. Up-regulated in most lung cancer cells (at protein level).
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog
Similarity	Pig (91%), Bovine (91%), Horse (100%), Sheep (91%), Rabbit (91%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA321025 staining RAW264.7 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



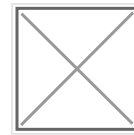
WB (Western Blot)

Western blot analysis of extracts of various tissue sample, using DUS2L Antibody.



IHC (Immunohistochemistry)

AAA321025 at 1/100 staining human kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis on RAW264.7 cell lysate using DUS2L Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-DUS2L antibody

Function: Dihydrouridine synthase. Catalyzes the synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs. Negatively regulates the activation of EIF2AK2/PKR.
Subunit Structure: Interacts with EPRS. Interacts (via DRBM domain) with PRKRA and EIF2AK2/PKR (via DRBM 1 domain).
Similarity: Belongs to the Dus family. Dus2 subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	419635745
NCBI GeneID	54920
NCBI Accession #	NP_001258691.1
NCBI GenBank Nucleotide #	NM_001271762.1
UniProt Accession #	Q9NX74; Q4H4D9; A8K3G3
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	tRNA-dihydrouridine(20) synthase
NCBI Official Synonym Full Names	dihydrouridine synthase 2
NCBI Official Symbol	DUS2
NCBI Official Synonym Symbols	SMM1; DUS2L; URLC8
NCBI Protein Information	tRNA-dihydrouridine(20) synthase [NAD(P)+]-like
UniProt Protein Name	tRNA-dihydrouridine(20) synthase [NAD(P)+]-like
UniProt Gene Name	DUS2
UniProt Synonym Gene Names	DUS2L; URLC8; hDUS2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dus2l-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/321025>