

DUS2L Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18265b**Specification**

DUS2L Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q9NX74](#)**DUS2L Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 54920**Other Names**

tRNA-dihydrouridine(20) synthase [NAD(P)+]-like, 131-, Dihydrouridine synthase 2, Up-regulated in lung cancer protein 8, URLC8, tRNA-dihydrouridine synthase 2-like, hDUS2, DUS2, DUS2L

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

DUS2L Antibody (C-term) Blocking Peptide - Protein Information**Name** DUS2**Synonyms** DUS2L**Function**

Dihydrouridine synthase. Catalyzes the NADPH-dependent synthesis of dihydrouridine, a modified base found in the D-loop of most tRNAs (PubMed:15994936, PubMed:26429968, PubMed:30149704, PubMed:34798057). Negatively regulates the activation of EIF2AK2/PKR (PubMed:18096616).

Cellular Location

Cytoplasm. Endoplasmic reticulum. Note=Mainly at the endoplasmic reticulum.

Tissue Location

Weak expression in heart, placenta and skeletal muscle. Up-regulated in most lung cancer cells (at protein level)

DUS2L Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

DUS2L Antibody (C-term) Blocking Peptide - Images

DUS2L Antibody (C-term) Blocking Peptide - Background

Dihydrouridine synthase catalyzes 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 (Kato et al., 2005 [PubMed 15994936]).

DUS2L Antibody (C-term) Blocking Peptide - References

Mittelstadt, M., et al. Nucleic Acids Res. 36(3):998-1008(2008) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Kato, T., et al. Cancer Res. 65(13):5638-5646(2005)