ARG40151
anti-PUS1 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PUS1
Tested Reactivity	Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PUS1
Species	Mouse
Immunogen	Synthetic peptide corresponding to a region of Mouse PUS1. (within the following region: GGWVWEETEHPAKRVKGGEDEEPPRKLPKRKIVLLMAYSGKGYHGMQRNL)
Conjugation	Un-conjugated
Alternate Names	tRNA pseudouridine synthase A, mitochondrial; tRNA-uridine isomerase I; 38-40; tRNA pseudouridine; EC 5.4.99.12; tRNA pseudouridylate synthase I; MLASA1

Application Instructions

Application table

Application	Dilution
WB	0.2 - 1 µg/ml

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse kidney

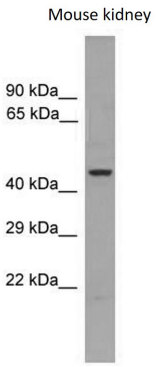
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	PUS1
Gene Full Name	pseudouridylate synthase 1
Background	This gene encodes a pseudouridine synthase that converts uridine to pseudouridine once it has been incorporated into an RNA molecule. The encoded enzyme may play an essential role in tRNA function and in stabilizing the secondary and tertiary structure of many RNAs. A mutation in this gene has been linked to mitochondrial myopathy and sideroblastic anemia. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Sep 2009]
Function	Converts specific uridines to PSI in a number of tRNA substrates. Acts on positions 27/28 in the anticodon stem and also positions 34 and 36 in the anticodon of an intron containing tRNA. Involved in regulation of nuclear receptor activity possibly through pseudouridylation of SRA1 RNA (By similarity). [UniProt]
Calculated Mw	47 kDa
Cellular Localization	Isoform 1: Mitochondrion. Isoform 2: Nucleus. [UniProt]

Images



ARG40151 anti-PUS1 antibody WB image

Western blot: Mouse kidney lysate stained with ARG40151 anti-PUS1 antibody at 0.2 - 1 µg/ml dilution.