Rabbit anti-Human PUS1 Polyclonal Antibody | anti-PUS1 antibody

PUS1 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285255	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

PUS1; Polyclonal Antibody; PUS1 Antibody (C-term); tRNA pseudouridine synthase A; mitochondrial; tRNA pseudouridine(38-40) synthase; tRNA pseudouridylate synthase I; tRNA-uridine isomerase I; anti-PUS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PUS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-350 amino acids from the C-terminal region of human PUS1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	322-350
Sequence Length	399
Applicable Applications for anti-PUS1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

IHC (Immunohiostchemistry)
PUS1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PUS1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

WB (Western Blot)
PUS1 Antibody (C-term) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the PUS1 antibody detected the PUS1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PUS1 antibody	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.
References	Bergmann, A.K., et al. Pediatr Blood Cancer 54(2):273-278(2010) Sibert, B.S., et al. RNA 14(9):1895-1906(2008) Rikova, K., et al. Cell 131(6):1190-1203(2007) Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007) Fernandez-Vizarra, E., et al. J. Med. Genet. 44(3):173-180(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	70166599
NCBI GeneID	80324
NCBI Accession #	NP_001002019.1; NP_001002020.1; NP_079491.2
NCBI GenBank Nucleotide #	NM_001002019.2
UniProt Accession #	Q9Y606; Q8WYT2; Q9BU44; A8K877; B3KQC1
Molecular Weight	47470
NCBI Official Full Name	tRNA pseudouridine synthase A, mitochondrial isoform 2
NCBI Official Synonym Full Names	pseudouridylate synthase 1
NCBI Official Symbol	PUS1
NCBI Official Synonym Symbols	MLASA1
NCBI Protein Information	tRNA pseudouridine synthase A, mitochondrial
UniProt Protein Name	tRNA pseudouridine synthase A, mitochondrial
UniProt Gene Name	**PUS1**
UniProt Entry Name	TRUA_HUMAN

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/pus1-antibody-immunohistochemistry-western-blot-elisa/285255