

## Product datasheet for **AP53521PU-N**

### **PUS1 (C-term) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 329-358 amino acids from the C-terminal region of Human PUS1
Specificity:	This antibody recognizes Humann PUS1 (C-term).
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	pseudouridylate synthase 1
Database Link:	<a href="#">Entrez Gene 80324 Human Q9Y606</a>



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**Background:**

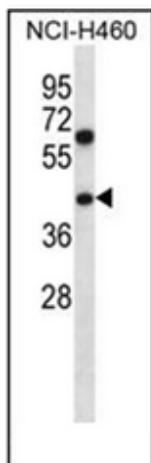
This gene encodes a pseudouridine synthase that converts uridine to pseudouridine once it has been incorporated into an RNA molecule. The encoded enzyme may play an essential role in tRNA function and in stabilizing the secondary and tertiary structure of many RNAs. A mutation in this gene has been linked to mitochondrial myopathy and sideroblastic anemia. Alternate splicing results in multiple transcript variants

**Synonyms:**

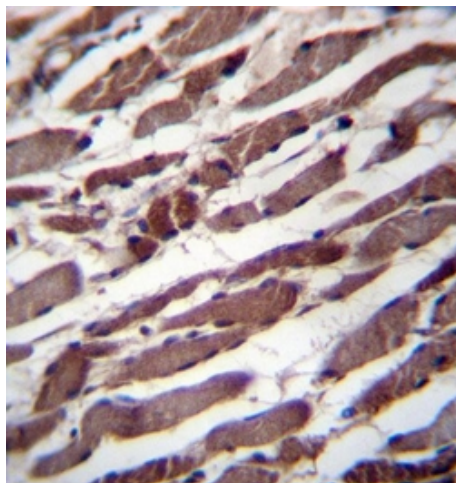
PP8985, Pseudouridylate synthase 1, tRNA-uridine isomerase I, MLASA1, MGC11268

**Note:**

**Molecular Weight:** 47470 Da

**Product images:**


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



Formalin fixed, paraffin embedded human skeletal muscle stained with PUS1 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining