Datasheet for ABIN7454768

anti-PUS1 antibody (AA 377-427)

Go to Product page

Overview

Quantity:	20 µg
Target:	PUS1
Binding Specificity:	AA 377-427
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PUS1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Formalin-fixed Paraffin-embedded Sections) (IHC (fp))

Product Details

Purpose:	Rabbit anti-PUS1 Antibody, Affinity Purified
Immunogen:	between AA 377 and 427
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	PUS1
Alternative Name:	PUS1 (PUS1 Products)
Background:	Background: Pus1 (pseudouridylate synthase 1) is an enzyme that converts uridine to

Target Details

	pseudouridine in non-coding RNA substrates. Pus1 modifies uridines at specific positions in a subset of tRNAs. Pseudouridylation is known to affect the structure of tRNAs and stabilize base-stacking and base-pairing in the anticodon loop. Pus1 activity is important for proper folding and function of tRNAs. Pus1 has also been shown to pseudouridylate SRA (steroid receptor RNA activator) and function as a coactivator. Defects in pseudouridylation are associated with the human disease, MLASA (myopathy with lactic acidosis and sideroblastic anemia), an autosomal recessive oxidative phosphorylataion disorder specific to skeletal muscle and bone marrow.
Gene ID:	80324
NCBI Accession:	NP_079491
UniProt:	Q9Y606

Application Details

Application Notes:	IHC: 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. IP: 2 - 5 µg/mg lysate WB: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	Tris-buffered Saline containing 0.1 % BSA and 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Expiry Date:	12 months