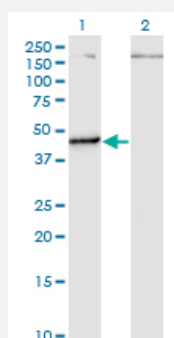


PUS1 monoclonal antibody (M01), clone 3A3

Catalog # H00080324-M01

Size 100 ug

Applications

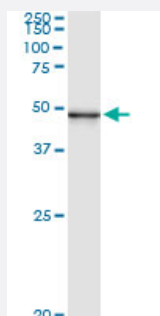


Western Blot (Transfected lysate)

Western Blot analysis of PUS1 expression in transfected 293T cell line by PUS1 monoclonal antibody (M01), clone 3A3.

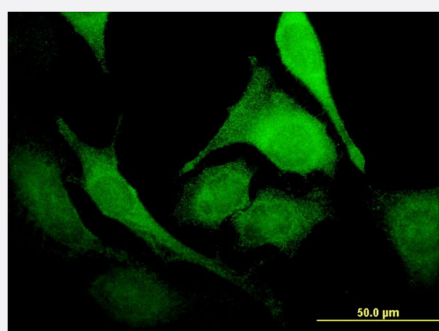
Lane 1: PUS1 transfected lysate (44.4 kDa).

Lane 2: Non-transfected lysate.



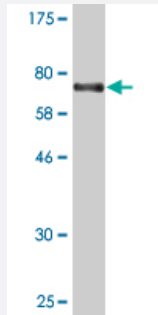
Immunoprecipitation

Immunoprecipitation of PUS1 transfected lysate using anti-PUS1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PUS1 MaxPab rabbit polyclonal antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to PUS1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (69.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant PUS1.
Immunogen	PUS1 (AAH02901, 1 a.a. ~ 399 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAGNAEPPPPAGAACPQDRRSCSGRAGGDRVWEDGEHPAKKLKSGGDEERREKPPKRKIVLLM AYSGKGYHGMQRNVGSSQFKTIEDDLVSALVRSGCIPENHGEDMRKMSFQRCARTDKGVSAAG QVVSLKVWLIDDILEKINSHLP SHIRILGLKRV TGGFNSKNRCDARTYCYLLPTFAFAHKDRDVQDE TYRLSAETLQQVNRLLACYKGTHNFHNFTSQKGPQDPSACRYILEMYCEEPFVREGLEFAVIRVKG QSFMMHQIRKMVGLVVAIVKGYAPESVLERSWGTEKVDVPKAPGLGLVLERVHFEKYNQRF GND GLHEPLDWAQEEGKVA AFKEEHYPTIIGTERDERSMAQWLSTLPIHNFSATALTAGGTGAKVPSP LEGSEGDGDTD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (86)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (69.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PUS1 expression in transfected 293T cell line by PUS1 monoclonal antibody (M01), clone 3A3.

Lane 1: PUS1 transfected lysate(44.4 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of PUS1 transfected lysate using anti-PUS1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PUS1 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to PUS1 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — PUS1

Entrez GeneID [80324](#)

GeneBank Accession# [BC002901](#)

Protein Accession# [AAH02901](#)

Gene Name PUS1

Gene Alias MGC11268, MLASA

Gene Description pseudouridylate synthase 1

Omim ID [600462 608109](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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

Other Designationspseudouridine synthase 1
