



# PUS10 mouse mAb

<b>Catalog No</b>	BYmab-11468
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	PUS10 CCDC139 DOBI
<b>Protein Name</b>	PUS10
<b>Immunogen</b>	Synthesized peptide derived from human PUS10 AA range: 425-475
<b>Specificity</b>	This antibody detects endogenous levels of PUS10 at Human/Mouse
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	Nucleus . Cytoplasm . Mitochondrion . Localizes mainly in the nucleus (Probable) (PubMed:31819270). tRNA pseudouridylate synthase activity is restricted to the cytoplasm (PubMed:31819270). Translocates from nucleus to mitochondria during TRAIL-induced apoptosis (PubMed:28981101). .
<b>Tissue Specificity</b>	
<b>Function</b>	catalytic activity:tRNA uridine = tRNA pseudouridine.,function:Responsible for synthesis of pseudouridine from uracil-55 in the psi GC loop of transfer RNAs.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,sequence caution:Partially unspliced pre-RNA.,similarity:Belongs to the pseudouridine synthase Pus10 family.,
<b>Background</b>	Pseudouridination, the isomerization of uridine to pseudouridine, is the most common posttranscriptional nucleotide modification found in RNA and is essential for biologic functions such as spliceosome biogenesis. Pseudouridylate synthases, such as PUS10, catalyze pseudouridination of structural RNAs,

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including transfer, ribosomal, and splicing RNAs. These enzymes also act as RNA chaperones, facilitating the correct folding and assembly of tRNAs (McCleverty et al., 2007 [PubMed 17900615]).[supplied by OMIM, May 2009],

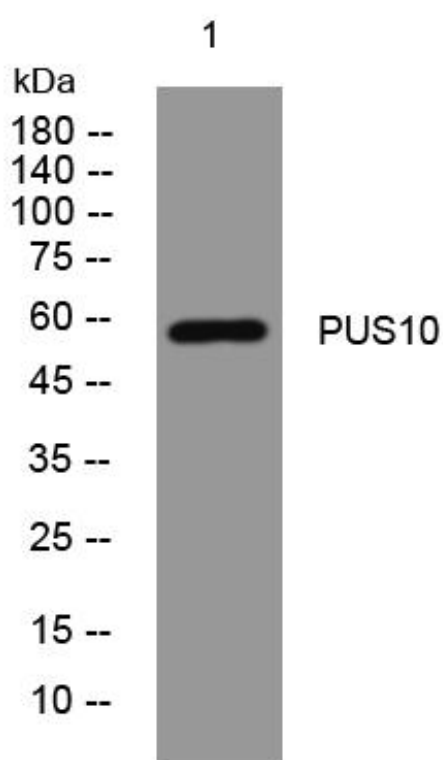
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using PUS10 mouse mAb