



TYW2 mouse mAb

Catalog No	YP-mAb-11966
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TRMT12 TRM12 TYW2
Immunogen	Synthesized peptide derived from human TYW2 AA range: 11-61
Specificity	This antibody detects endogenous levels of TYW2 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	241483H1;EC:2.5.1.114;TRM12;tRNA methyltransferase 12;tRNA wybutosine-synthesizing protein 2 homolog;TYW2;TRMT12 TRM12 TYW2
Observed Band	
Calculated Molecular Weight	
Cell Pathway	
Tissue Specificity	
Function	function:Probable S-adenosyl-L-methionine-dependent methyltransferase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA.,pathway:tRNA modification; wybutosine-tRNA(Phe) biosynthesis.,sequence caution:Contaminating sequence. Potential poly-A sequence starting in position 371.,sequence caution:Translation N-terminally shortened.,similarity:Belongs to the RNA methyltransferase trmD family. TYW2 subfamily.,
Background	Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TRMT12 is the human homolog of



a yeast gene essential for yW synthesis (Noma and Suzuki, 2006).[supplied by OMIM, Mar 2008],

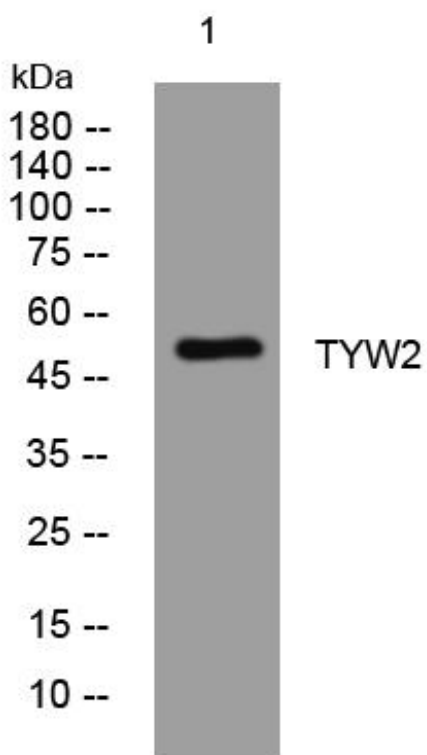
matters needing attention

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 TYW2 mouse mAb