

TRMT12 mouse monoclonal antibody (hybridoma)

Catalog # H00055039-M

Size Up to 5 Clones

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant TRMT12.
Immunogen	TRMT12 (AAH11713.1, 1 a.a. ~ 448 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRENVVVSNMERESGKPVAVVAVVTEPRFTQRYREYLQRQKLFDQTQHRVEKMPDGSVALPVLGETLPEQHLQELRNRVAPGSPCMLTQLPDPVPSKRAQGCSPAQKLCLEVSRWVEGRGVKWSAELEADLPRSWQRHGNLLLLSEDCFQAKQWKNLGPPELWETVALALGVQRLAKRGRVSPDGTRTPAVTLLGDHGWVEHVDNGIRYKFDVTQCMFSFGNITEKLRVASLSCAGEVLVDLYAGIGYFTLPFLVHAGAAFVHACEWNPHAVVALRNNLEINGVADRCQIHFGDNRKLKLSNIADRVILGLIPSSEEGWPIACQVLRQDAGGILHIHQNVESFPGKNLQALGVSKVEKEHWLYPQQITTNQWKNGATRDSRGKMLSPATKPEWQRWAESAETRIATLLQQVHGKPKWTQILHIQPVKSYAPHVDHMLDLECCPCPSVG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81); Rat (82)
Quality Control Testing	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
Deliverables	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
Note	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — TRMT12

Entrez GeneID [55039](#)

GeneBank Accession# [BC011713.2](#)

Protein Accession# [AAH11713.1](#)

Gene Name TRMT12

Gene Alias FLJ20772, TRM12, TYW2

Gene Description tRNA methyltransferase 12 homolog (S. cerevisiae)

Omim ID [611244](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations homolog of yeast tRNA methyltransferase|homolog of yeast tRNA methyltransferase 12|tRNA methyltransferase 12 homolog|tRNA-yW synthesizing protein 2