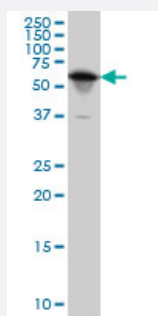


YARS monoclonal antibody (M02A), clone 2F3

Catalog # H00008565-M02A

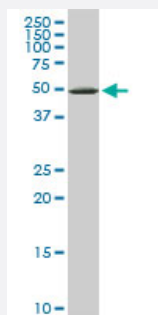
Size 200 uL

Applications



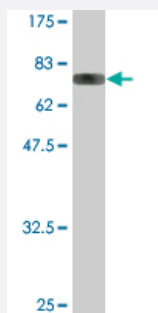
Western Blot (Cell lysate)

YARS monoclonal antibody (M02A), clone 2F3 Western Blot analysis of YARS expression in HeLa (Cat # L013V1).



Western Blot (Cell lysate)

YARS monoclonal antibody (M02A), clone 2F3. Western Blot analysis of YARS expression in NIH/3T3(Cat # L018V1).



Western Blot detection against Immunogen (83.82 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant YARS.

Immunogen	YARS (AAH01933, 1 a.a. ~ 528 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MGDAPSPEEKLHLITRNLQEVLGEEKLKEILKERELKIYWGTTATTGKPHVAYFVPMISKIADFLKAGC EVTILFADLHAYLDNMKAPWELLELRVSYENVIKAMLESIGVPLEKLKFIKGTDYQLSKEYTLDVYR LSSVVTQHDSKKAGAEVVKQVEHPLL SGLLYPGLQALDEEYLKVDAQFGGIDQRKIFTFAEKYLP ALGYSKRVHLMNPMVPGLTGSKMSSSEESKIDLLDRKEDVKKKLKKAFCPEGNVENNGVLSFI KHVLFPLKSEFVILRDEKWGGNKTYTAYVDLEKDFAAEVVHPGDLKNSVEVALNKLLDPIREKFNT PALKKLASAAYPDPSKQKPKMAKGPKNSEPEEVIPSRLDIRVGKIITVEKHPDADSLYVEKIDVGE AEPRTVVSGLVQFVPKEELQDRLVVVLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLDPPAG SAPGEHVFVKGYEKGQPDEELKPKKKVFEKLQADFKISEECIAQWKQTNFMTKLGSISCKSLKG GNIS
Host	Mouse
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Rat (95)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (83.82 KDa) .
Storage Buffer	In ascites fluid
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

YARS monoclonal antibody (M02A), clone 2F3 Western Blot analysis of YARS expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

YARS monoclonal antibody (M02A), clone 2F3. Western Blot analysis of YARS expression in NIH/3T3(Cat # L018V1).

[Protocol Download](#)

- ELISA

Gene Info — YARS

Entrez GeneID	8565
GeneBank Accession#	BC001933
Protein Accession#	AAH01933
Gene Name	YARS
Gene Alias	CMTDIC, TYRRS, YRS, YTS
Gene Description	tyrosyl-tRNA synthetase
Omim ID	603623 608323
Gene Ontology	Hyperlink
Gene Summary	Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine. [provided by RefSeq]
Other Designations	OTTHUMP00000004027 tyrosine tRNA ligase 1, cytoplasmic

Publication Reference

- [Dominant mutations in the tyrosyl-tRNA synthetase gene recapitulate in Drosophila features of human Charcot-Marie-Tooth neuropathy.](#)

Storkebaum E, Leitaogoncalves R, Godenschwege T, Nangle L, Mejia M, Bosmans I, Ooms T, Jacobs A, Van Dijck P, Yang XL, Schimmel P, Norga K, Timmerman V, Callaerts P, Jordanova A.

Proceedings of the National Academy of Sciences of the United States of America 2009 Jul; 106(28):11782.

Application: WB, Drosophila, Head

Pathway

- [Aminoacyl-tRNA biosynthesis](#)