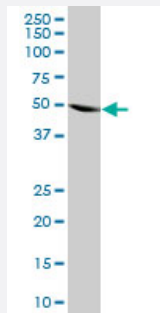


HARS monoclonal antibody (M03A), clone 4D4

Catalog # H00003035-M03A

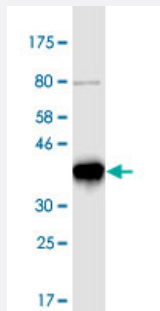
Size 200 uL

Applications



Western Blot (Cell lysate)

HARS monoclonal antibody (M03A), clone 4D4. Western Blot analysis of HARS expression in HeLa (Cat # L013V1).



Western Blot detection against Immunogen (36.3 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HARS.
Immunogen	HARS (NP_002100, 1 a.a. ~ 96 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAERAAL EELVKLQGERV RGLKQQKASAE LIEEEVAKLLKLKAQLGPDESKQKFVLKTPKGTRD YSPRQMAVREKVF DVIIRCFKRHGAEVIDTPV
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (36.3 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)

HARS monoclonal antibody (M03A), clone 4D4. Western Blot analysis of HARS expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — HARS

Entrez GeneID

[3035](#)

GeneBank Accession#

[NM_002109](#)

Protein Accession#

[NP_002100](#)

Gene Name

HARS

Gene Alias

FLJ20491, HRS

Gene Description

histidyl-tRNA synthetase

Omim ID

[142810](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. [provided by RefSeq]

Other Designations

HisRS|histidine tRNA ligase 1, cytoplasmic|histidine translase|histidine-tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)