WARS2 monoclonal antibody (M01), clone 3D8

Catalog # H00010352-M01 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant WARS2.
Immunogen	WARS2 (NP_056651.1, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MALHSMRKARERWSFIRALHKGSAAAPALQKDSKKRVFSGIQPTGILHLGNYLGAIESWVRLQDEYDSVLYSIVDLHSITVPQDPAVLRQ
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (83)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — WARS2

Entrez GeneID	10352
GeneBank Accession#	NM_015836

Protein Accession#	NP_056651.1
Gene Name	WARS2
Gene Alias	TrpRS
Gene Description	tryptophanyl tRNA synthetase 2, mitochondrial
Omim ID	604733
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. Two forms of tryptophanyl-tRNA synthetase exist, a cytoplasmic form, named WARS, and a mitochondrial form, named WARS2. This gene encodes the mitochondrial tryptophanyl-tRNA synthetase. Two alternative transcripts encoding different isoforms have been described. [provided by RefSeq
Other Designations	OTTHUMP00000014272|OTTHUMP00000014273|mitochondrial tryptophanyl tRNA synthetase 2|tryptophan tRNA ligase 2, mitochondrial|tryptophan-tRNA ligase

Pathway

- Aminoacyl-tRNA biosynthesis
- Tryptophan metabolism