

WARS2 rabbit monoclonal antibody

Catalog # H00010352-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human WARS2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human WARS2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human WARS2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — WARS2

Entrez GeneID	10352
GeneBank Accession#	WARS2
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](#)