

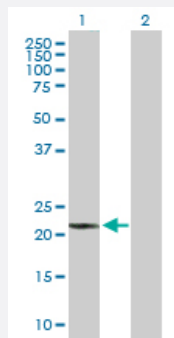
MaxPab®

WARS2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010352-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of WARS2 expression in transfected 293T cell line ([H00010352-T02](#)) by WARS2 MaxPab polyclonal antibody.

Lane 1: WARS2 transfected lysate(24.2 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human WARS2 protein.
Immunogen	WARS2 (NP_957715.1, 1 a.a. ~ 220 a.a) full-length human protein.
Sequence	MALHSMRKARERWSFIRALHKGSAAPALQKDSKKRVFSGIQPTGILHLGNYLGAIESWVRLQDE YDSVLYSIVDLHSITVPQDPAVLRQSILDMTAVLLACGINPEKSILFQQSQVSEHTQLSWILSCMVRL PRLQHLHQWKAKTTKQKHDGTVGLLTYPVLQAADILLYKSTHVPVGEDQVQHMELVQDLAQGFN KKYGEFFPVPESILSMCVLVFLT
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (86); Rat (83)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — WARS2

Entrez GeneID [10352](#)

GeneBank Accession# [NM_201263.1](#)

Protein Accession# [NP_957715.1](#)

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](#)