

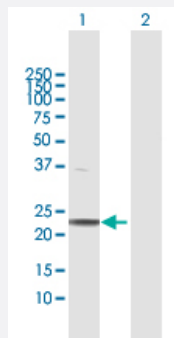
MaxPab®

WARS2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00010352-D01

Size 100 uL

Applications

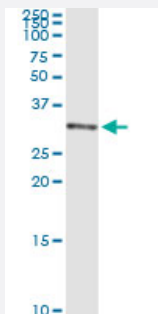


Western Blot (Transfected lysate)

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

Lane 1: WARS2 transfected lysate(24.80 kDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of WARS2 transfected lysate using anti-WARS2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with WARS2 purified MaxPab mouse polyclonal antibody (B01P) ([H00010352-B01P](#)).

Specification

Product Description

Rabbit 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
KKYGEFFPVPEISILSMCVLVFLT

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence	Mouse (86); Rat (83)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

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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

Publication Reference

- [Expression of the rodent-specific alternative splice variant of tryptophanyl-tRNA synthetase in murine tissues and cells.](#)

Miyanokoshi M, Tanaka T, Tamai M, Tagawa Y, Wakasugi K.

Scientific Reports 2013 Dec; 3:3477.

Application: WB, Mouse, ES cells

Pathway

- [Aminoacyl-tRNA biosynthesis](#)
- [Tryptophan metabolism](#)