

Rabbit anti-Human Tryptophanyl-tRNA synthetase 1 Monoclonal Antibody | anti-WARS1 antibody

Tryptophanyl-tRNA synthetase 1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282960	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

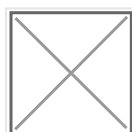
PRODUCT SYNONYMS

Tryptophanyl-tRNA synthetase 1; Monoclonal Antibody; Tryptophanyl-tRNA synthetase 1 Rabbit mAb; HMN9; WARS; IFI53; IFP53; GAMMA-2; anti-WARS1 antibody

PRODUCT SPECIFICATIONS

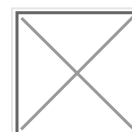
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	VNKHAFSGGR DTIEEHRQFG GNCDVDVSFM YLTFFLEDDDD KLEQIRKDYT SGAMLTGELK KALIEVLQPL IAEHQARRKE VTDEIVKEFM TPRKLSFDFQ
Applicable Applications for anti-WARS1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 372-471 of human Tryptophanyl-tRNA synthetase 1 (P23381).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human placenta using Tryptophanyl-tRNA synthetase 1 Rabbit mAb (AAA282960) at dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



WB (Western Blot)

Western blot analysis of lysates from U-937 cells using Tryptophanyl-tRNA synthetase 1 Rabbit mAb (AAA282960) at 1:1000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-WARS1 antibody

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. Tryptophanyl-tRNA synthetase (WARS) catalyzes the aminoacylation of tRNA(trp) with tryptophan and is induced by interferon. Tryptophanyl-tRNA synthetase belongs to the class I tRNA synthetase family. Four transcript variants encoding two different isoforms have been found for this gene.

Product Categories/Family for anti-WARS1 antibody

Epigenetics Nuclear Signaling; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	47419914
NCBI GeneID	7453
NCBI Accession #	NP_004175.2
NCBI GenBank Nucleotide #	NM_004184.3
UniProt Accession #	P23381; P78535; Q502Y0; Q53XB6; Q9UDI5; Q9UDL3; A6NGN1; A6NID3
Molecular Weight	Calculated MW: 53kDa Observed MW: 53kDa
UniProt Protein Name	Tryptophan--tRNA ligase, cytoplasmic
UniProt Gene Name	WARS
UniProt Synonym Gene Names	IFI53; WRS; IFP53; TrpRS; hWRS
UniProt Entry Name	SYWC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tryptophanyl-trna-synthetase-1-antibody-immunohistochemistry-western-blot-elisa/282960>