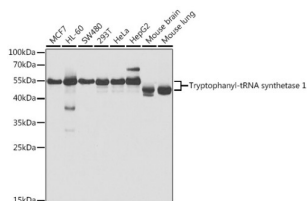


## Tryptophanyl tRNA Synthetase (WARS) Antibody

Catalogue No.:abx004407



Western blot analysis of various lysates using Tryptophanyl-tRNA synthetase 1 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 5s.

WARS Antibody is a Rabbit Polyclonal antibody against WARS. 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.

**Target:** Tryptophanyl tRNA Synthetase (WARS)

**Clonality:** Polyclonal

**Reactivity:** Human, Mouse, Rat

**Tested Applications:** ELISA, WB

**Host:** Rabbit

**Recommended dilutions:** ELISA: 1 µg/ml, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:**  **Unconjugated**

**Immunogen:** Recombinant protein corresponding to WARS. The exact sequence is proprietary.

**Isotype:** IgG

**Form:** Liquid

**Purification:** Purified by affinity chromatography.

**Storage:** Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 5.0.0

Revision date: 23 Aug 2025



**UniProt Primary AC:** P23381 ([UniProt](#), [ExPASy](#))

**Gene Symbol:** WARS

**GeneID:** [7453](#)

**NCBI Accession:** NP\_776049.1

**KEGG:** hsa:7453

**String:** [9606.ENSP00000347495](#)

**Molecular Weight:** Calculated MW: 53 kDa  
Observed MW: 53-55 kDa

**Buffer:** PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.

**Concentration:** > 0.2 mg/ml

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only