

Product datasheet for **TA369742**

WARS2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 200-1000 WB positive control: MCF-7 and Hela cell lysates IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human WARS2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	40 kDa
Gene Name:	tryptophanyl tRNA synthetase 2, mitochondrial
Database Link:	Entrez Gene 10352 Human Q9UGM6



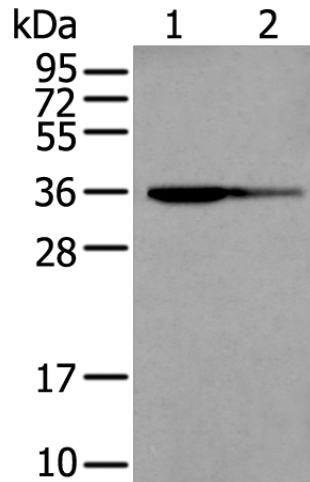
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Background:

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.

Synonyms:

(Mt)TrpRS; TrpRS

Product images:

Gel: 12%SDS-PAGE

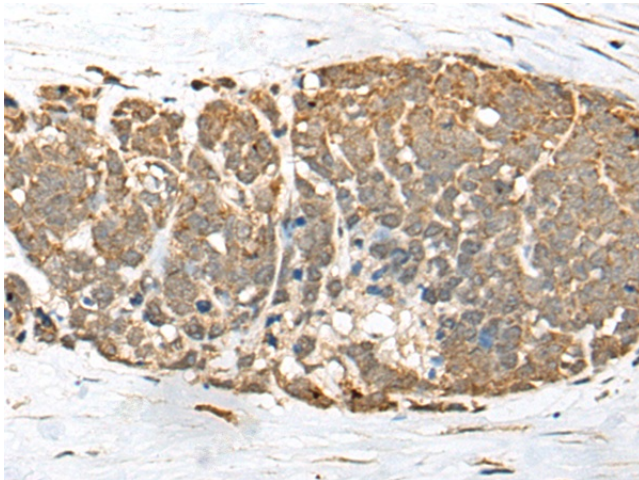
Lysate: 40 μ g

Lane 1-2: MCF-7 and HeLa cell lysates

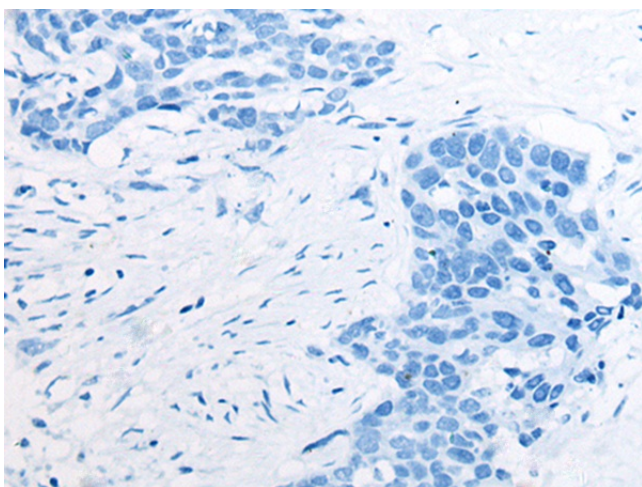
Primary antibody: TA369742 (WARS2 Antibody) at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 5 seconds



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA369742 (WARS2 Antibody) at dilution 1/30 (Original magnification: \times 200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA369742 (WARS2 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: $\times 200$)