10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

WARS Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18122b

Specification

WARS Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P23381
Other Accession	P17248, NP_004175.2
Reactivity	**Human**
Predicted	**Bovine**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**53165**
Antigen Region	**429-458**

WARS Antibody (C-term) - Additional Information

Gene ID 7453

Other Names
Tryptophan--tRNA ligase, cytoplasmic, Interferon-induced protein 53, IFP53, Tryptophanyl-tRNA synthetase, TrpRS, hWRS, T1-TrpRS, T2-TrpRS, WARS, IFI53, WRS

Target/Specificity
This WARS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 429-458 amino acids from the C-terminal region of human WARS.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
WARS Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

WARS Antibody (C-term) - Protein Information

Name WARS1 (HGNC:12729)

Synonyms IFI53, WARS, WRS

Function Catalyzes the attachment of tryptophan to tRNA(Trp) in a two- step reaction: tryptophan is first activated by ATP to form Trp-AMP and then transferred to the acceptor end of the tRNA(Trp).

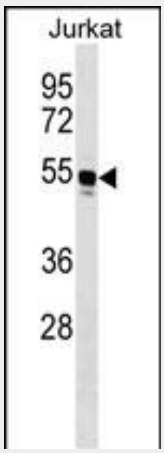
Cellular Location
Cytoplasm.

WARS Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

WARS Antibody (C-term) - Images



WARS Antibody (C-term) (Cat. #AP18122b) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the WARS antibody detected the WARS protein (arrow).

WARS Antibody (C-term) - 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. 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.

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WARS Antibody (C-term) - References

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