

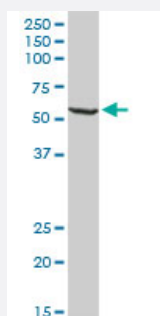
MaxPab®

WARS MaxPab rabbit polyclonal antibody (D01)

Catalog # H00007453-D01

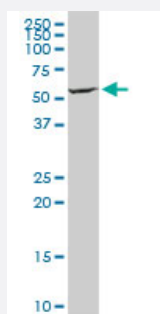
Size 100 uL

Applications



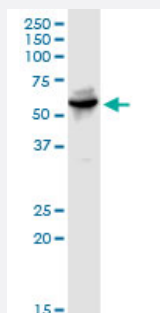
Western Blot (Tissue lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in human placenta.



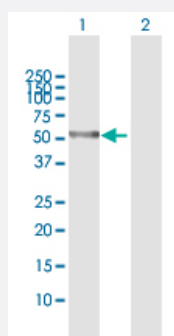
Western Blot (Tissue lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in mouse lung.



Western Blot (Cell lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in HepG2.

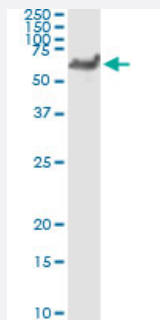


Western Blot (Transfected lysate)

Western Blot analysis of WARS expression in transfected 293T cell line ([H00007453-T02](#)) by WARS MaxPab polyclonal antibody.

Lane 1: WARS transfected lysate(53.20 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of WARS transfected lysate using anti-WARS MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with WARS purified MaxPab mouse polyclonal antibody (B01P) ([H00007453-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human WARS protein.
Immunogen	WARS (NP_004175.2, 1 a.a. ~ 471 a.a) full-length human protein.
Sequence	MPNSEPASLLELFNSIATQGELVRSLKAGNASKDEIDSAVKMLVSLKMSYKAAAGEDYKADCPP GNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLVRFGSSKIDKELINRIERATGQRPHH FLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSEAMHVGHLPFFITKWLQDVFNVPLVIQMT DDEKYLWKDLTLDQAYSAYAVENAKDIACGFDINKTFIFSDLDYMGMSGFYKNVVKIQKHVTFNQV KGIFGFTDSDCIGKISFPAIQAAPSFNSFPQIFRDRTDIQCLIPCAIDQDPYFRMTRDVAPRIGYPKP ALLHSTFFPALQGAQTKMSASDPNSSIFLTD TAKQIKTKV NKHAFSGGRDTIEEHRQFGGNCDVD VSFMYLTFFLEDDDKLEQIRKDYTS GAMLTGELKKALIEVLQPLAEHQARRKEVTDEIVKEFMTTPR KLSFDFQ
Host	Rabbit
Reactivity	Human, Mouse
Interspecies Antigen Sequence	Mouse (90); Rat (89)
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

- Western Blot (Tissue lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in human placenta.

[Protocol Download](#)

- Western Blot (Tissue lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in mouse lung.

[Protocol Download](#)

- Western Blot (Cell lysate)

WARS MaxPab rabbit polyclonal antibody. Western Blot analysis of WARS expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of WARS expression in transfected 293T cell line ([H00007453-T02](#)) by WARS MaxPab polyclonal antibody.

Lane 1: WARS transfected lysate(53.20 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of WARS transfected lysate using anti-WARS MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with WARS purified MaxPab mouse polyclonal antibody (B01P) ([H00007453-B01P](#)).

[Protocol Download](#)

Gene Info — WARS

Entrez GeneID [7453](#)

GeneBank Accession# [NM_004184](#)

Protein Accession# [NP_004175.2](#)

Gene Name WARS

Gene Alias GAMMA-2, IFI53, IFP53

Gene Description tryptophanyl-tRNA synthetase

Omim ID [191050](#)

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. 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. [provided by RefSeq]

Other Designations

interferon-induced protein 53|tryptophan tRNA ligase 1, cytoplasmic

Pathway

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

Disease

- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Myocardial Infarction](#)