

DNAxPAb

Hard-to-Find
Antibody

WARS DNAxPab

Catalog # H00007453-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human WARS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MPNSEPASLLELFNSIATQGELVRSLKAGNASKDEIDSAVKMLVSLKMSYKAAAGEDYKADCPP GNPAPTSNHGPDATEAEEDFVDPWTVQTSSAKGIDYDKLIVRFGSSKIDKELINRIERATGQRPHH FLRRGIFFSHRDMNQVLDAYENKKPFYLYTGRGPSSEAMHVGHLPFFITKWLQDVFNVPLVIQMT DDEKYLWKDLTLDQAYSYAVENAKDIIACGFDINKTFIFSDLDYMGMSGFYKNVVKIQKHVTFNQV KGIFGFTDSDCIGKISFPAQAAPSFNSFPQIFRDRTDIQCLIPCAIDQDPYFRMTRDVAPRIGYPKP ALLHSTFFPALQGAQTKMSASDPNSSIFLTDTAKQIKTKVKNHAFSGGRDTIEEHRQFGGNCDVD VSFMYLTFFLEDDDKLEQIRKDYTSGAMLTGELKKALIEVLQPLAEHQARRKEVTDEIVKEFMTPR KLSFDFQ
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — WARS

Entrez GeneID [7453](#)

GeneBank Accession# [NM_004184.3](#)

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](#)