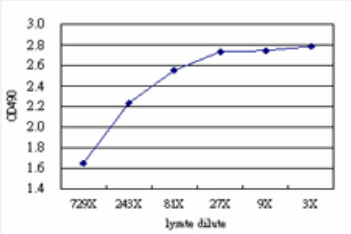
WARS (Human) Matched Antibody Pair

Catalog # H00007453-AP51 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the WARS 293T overexpression lysate (non-denatured).

Specification

Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human WARS.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (88)
Quality Control Testing	Standard curve using WARS 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the WARS 29 3T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-WARS (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-WARS (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- ELISA Pair (Transfected lysate)

  Protocol Download

Gene Info — WARS

Entrez GeneID	7453
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. B ecause of their central role in linking amino acids with nucleotide triplets contained in tRNAs, amin oacyl-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 mitochond rial 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 t he class I tRNA synthetase family. Four transcript variants encoding two different isoforms have b een 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