

DNAxPAb

Hard-to-Find
Antibody

YARS DNAxPab

Catalog # H00008565-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human YARS DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGDAPSPEEKHLHLITRNLQEVLGEEKLKEILKERELKIYWGTTGKPHVAYFVPMSKIADFLKAGC EVTILFADLHAYLDNMKAPWELLELRVSYENVIKAMLESIGVPLEKLKFIKGTDYQLSKEYTLDVYR LSSVVTQHDSKKAGAEVVKQVEHPLLSGLLYPGLQALDEEYLVKVD AQFGGIDQRKIFTFAEKYLP ALGYSKRVHLMNPMVPGLTGSKMSSEEEESKIDLLDRKEDVKKKLKKAFCPEGNVENNGVLSFI KHVLFPLKSEFVILRDEKWGGNKTYTAYVDLEKDFAAEVVHPGDLKNSVEVALNKLLDPIREKFNT PALKKLASAAYDPDSKQKPKMAKGPKNSEPEEVIPSRLDIRVGKIITVEKHPDADSLYVEKIDVGE AEPRTVVSGLVQFVPKEELQDRLVVVLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLDPPAG SAPGEHVFVKGYEKGQPDEELPKKKVFEKLQADF KISEECIAQWKQTNFMTKLGSISCKSLKG GNIS
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 — YARS

Entrez GeneID [8565](#)

GeneBank Accession# [BC001933](#)

Protein Accession# [AAH01933](#)

Gene Name YARS

Gene Alias CMTDIC, TYRRS, YRS, YTS

Gene Description tyrosyl-tRNA synthetase

Omim ID [603623 608323](#)

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. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine. [provided by RefSeq]

Other Designations OTTHUMP00000004027|tyrosine tRNA ligase 1, cytoplasmic

Pathway

- [Aminoacyl-tRNA biosynthesis](#)