

DNAxPAb

Hard-to-Find
Antibody

HARS DNAxPab

Catalog # H00003035-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human HARS DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MAERAALEELVKLQGERVRGLKQQKASAEIEEEVAKLLKLKAQLGPDESKQKFVLKTPKGTRD
YSPRQMAVREKVFVDVIRCFKRHGAVIDTPVFELKETLMGKYGEDSKLIYDLKDQGGELLSLRYDL
TVPFARYLAMNKL TNIKRYHIKVYRRDN PAMTRGRYREFYQCDFDIAGNFDP MIPDAECLKIMCEIL
SSLQIGDFLVKVNDRRILDGMFAICGVSDSKFRTICSSVDKLDKVSWEVVK NEMVGEKGLAPEVA
DRIGDYVQQHGGVSLVEQLLQDPKLSQNKQALEGLGDLKLLFEYLT LFGIDDKISFDLSLARGLDY
YTGVIYEAVLLQTPAQAGEEPLGVGSVAAGGRYDGLVGMFDPKGRKVP CVGLSIGVERIFSMEQR
LEALEEKIRT TETQVL VASAQKKLLEERLKL VSELWDAGIKAELLYKKNPKLLNQLQYCEEAGIPLV
AIIGEQELKDGVIKLSVTSREEVDVRREDLV EEEIKRRTGQPLCIC

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 — HARS

Entrez GeneID [3035](#)

GeneBank Accession# [NM_002109.3](#)

Protein Accession# [NP_002100.2](#)

Gene Name HARS

Gene Alias FLJ20491, HRS

Gene Description histidyl-tRNA synthetase

Omim ID [142810](#)

Gene Ontology [Hyperlink](#)

Gene Summary Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. [provided by RefSeq]

Other Designations HisRS|histidine tRNA ligase 1, cytoplasmic|histidine translase|histidine-tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)