

Datasheet

HARS polyclonal antibody

Catalog Number: PAB2968

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of HARS.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human HARS.

Host: Rabbit

Reactivity: Human

Applications: IHC-P, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Ammonium sulfate precipitation

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3035

Gene Symbol: HARS

Gene Alias: FLJ20491, HRS

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]

References:

1. Novel conformation of histidyl-transfer RNA synthetase in the lung: the target tissue in Jo-1 autoantibody-associated myositis. Levine SM, Raben N, Xie D, Askin FB, Tudor R, Mullins M, Rosen A, Casciola-Rosen LA. Arthritis Rheum. 2007 Aug;56(8):2729-39.
2. TSG101 interaction with HRS mediates endosomal trafficking and receptor down-regulation. Lu Q, Hope LW, Brasch M, Reinhard C, Cohen SN. Proc Natl Acad Sci U S A. 2003 Jun 24;100(13):7626-31. Epub 2003 Jun 11.