

HARS rabbit monoclonal antibody

Catalog # H00003035-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human HARS peptide using ARM Technology.
Immunogen	A synthetic peptide of human HARS is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human HARS peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — HARS

Entrez GeneID	3035
GeneBank Accession#	HARS
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](#)