

Immunotag™ HisRS Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2139
Product Description	Immunotag™ HisRS Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	HisRS
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC-p,IF,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human HARS. AA range:460-509
Specificity	HisRS Polyclonal Antibody detects endogenous levels of HisRS protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	HARS
Accession No.	P12081 Q61035
Alternate Names	HARS; HRS; Histidine--tRNA ligase; cytoplasmic; Histidyl-tRNA synthetase; HisRS

Antibody Specification

Description	histidyl-tRNA synthetase(HARS) Homo sapiens 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012],
Cell Pathway/ Category	Aminoacyl-tRNA biosynthesis,
Protein Expression	Lung,Uterus,
Subcellular Localization	cytoplasm,mitochondrion,cytosol,
Protein Function	catalytic activity:ATP + L-histidine + tRNA(His) = AMP + diphosphate + L-histidyl-tRNA(His).,similarity:Belongs to the class-II aminoacyl-tRNA synthetase family.,similarity:Contains 1 WHEP-TRS domain.,tissue specificity:Brain, heart, liver and kidney.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.