



HisRS Monoclonal Antibody

Catalog No	YP-mAb-01778
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	HARS
Immunogen	The antiserum was produced against synthesized peptide derived from human HARS. AA range:460-509
Specificity	HisRS Monoclonal Antibody detects endogenous levels of HisRS protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Histidyl-tRNA synthetase;Histidine--tRNA ligase;cytoplasmic;HisRS;HARS1; EC:6.1.1.21;HARS;Histidine--tRNA ligase cytoplasmic;HRS
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Cytoplasm .
Tissue Specificity	Brain, heart, liver and kidney.
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.,
Background	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],

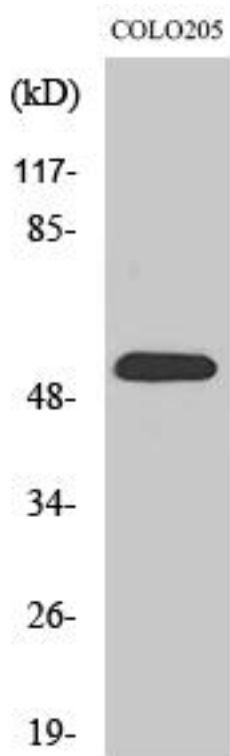
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using HisRS Monoclonal Antibody