ARG57450
anti-HARS antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes HARS
Tested Reactivity	Hu, Mk
Tested Application	WB
Specificity	This antibody detects endogenous levels of HARS and does not cross-react with related proteins.
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	HARS
Species	Human
Immunogen	Purified recombinant Human HARS protein fragments expressed in E. coli.
Conjugation	Un-conjugated
Alternate Names	HisRS; USH3B; EC 6.1.1.21; Histidyl-tRNA synthetase; Histidine-tRNA ligase, cytoplasmic; HRS

Application Instructions

Application table

Application	Dilution
WB	1:2000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.03% Proclin300 and 50% Glycerol.
Preservative	0.03% Proclin300
Stabilizer	50% Glycerol
Concentration	1.1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	HARS
Gene Full Name	histidyl-tRNA synthetase
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]
Calculated Mw	57 kDa
Cellular Localization	Cytoplasm.

Images

ARG57450 anti-HARS antibody WB image

Western blot: HeLa cell lysate stained with ARG57450 anti-HARS antibody at 1:2000 dilution.