

Mouse anti-Human HARS Monoclonal Antibody | anti-HARS antibody

Mouse monoclonal antibody Anti-Human HARS

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA10601	Mouse	Human	Dot Blot, Immunocytochemistry, Immunoprecipitation, Western Blot, Flow Cytometry, Functional Assay

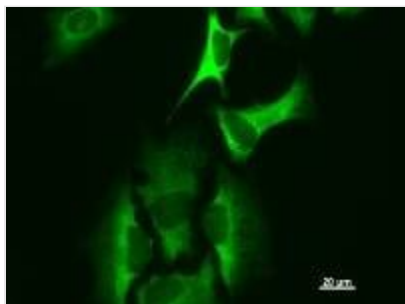
PRODUCT SYNONYMS

HARS; Monoclonal Antibody; Mouse monoclonal antibody Anti-Human HARS; histidyl-tRNA synthetase; FLJ20491; HRS; anti-HARS antibody

PRODUCT SPECIFICATIONS

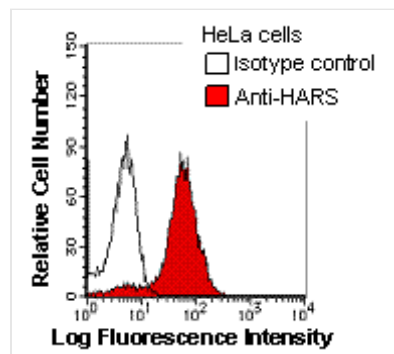
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	HARSA6
Concentration	100 ug/ml (1.0 ml) (varies by lot)
Sequence Length	1927
Applicable Applications for anti-HARS antibody	DB (Dot Blot), ICC (Immunocytochemistry), IP (Immunoprecipitation), WB (Western Blot), FCM/FACS (Flow Cytometry)
Preparation	This antibody was purified using protein G column chromatography from culture supernatant of hybridoma cultured in a medium containing bovine IgG-depleted (approximately 95%) fetal bovine serum.
Sterility	Filtered through a 0.22 um membrane.

IMAGES



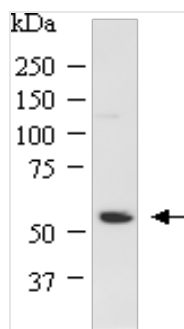
ICC (Immunocytochemistry)

Immunostaining analysis in HeLa cells. HeLa cells were fixed with 4% paraformaldehyde and permeabilized with 0.1% Triton X-100 in PBS. The cells were immunostained with anti-HARS mAb. [Lot No. HARSA6-1]



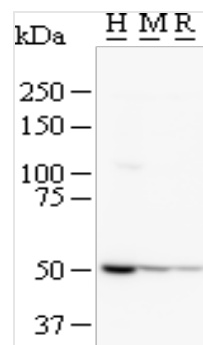
FCM (Flow Cytometry)

HeLa cells were fixed in 2% paraformaldehyde/PBS and then permeabilized in 90% methanol. Cells were stained with anti-HARS mAb (shaded) or isotype control (unshaded) followed by Alexa Fluor(R) 488-conjugated goat anti-mouse IgG. [Lot No. HARSA6-2]



IP (Immunoprecipitation)

Immunoprecipitation: RIPA lysate of HeLa cells was incubated with anti-HARS mAb. [Lot No. HARSA6-1] Predicted molecular weight: 57 kDa



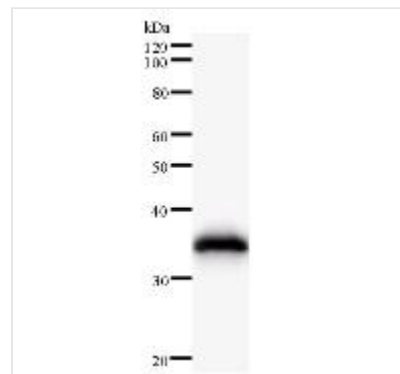
WB (Western Blot)

Detection of HARS by Western blot. Samples: Whole cell lysate from human HeLa (H, 25 ug), mouse NIH3T3 (M, 25 ug) and rat F2408 (R, 25 ug) cells. [Lot No. HARSA6-2] Predicted molecular weight: 57 kDa



Quality Control

Arrow indicates the region of immunized recombinant protein carrying 50-200 amino acids.



Quality Control

Western blot analysis of immunized recombinant protein, using anti-HARS monoclonal antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-HARS antibody

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. [NCBI Entrez Gene Summary]

NCBI AND UNIPROT INFORMATION

NCBI GI #	51873907
NCBI GeneID	3035
Molecular Weight	54,847 Da
NCBI Official Full Name	Homo sapiens histidyl-tRNA synthetase, mRNA
NCBI Official Synonym Full Names	histidyl-tRNA synthetase
NCBI Official Symbol	HARS
NCBI Official Synonym Symbols	HRS; USH3B
NCBI Protein Information	histidine--tRNA ligase, cytoplasmic; HisRS; histidine transase
UniProt Protein Name	Histidine--tRNA ligase, cytoplasmic
UniProt Gene Name	HARS
UniProt Entry Name	SYHC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/hars-antibody-clone-harsa6-dot-blot-immunocytochemistry-immunoprecipitation-western-blot-flow-cytometry-elisa/10601>