Rabbit anti-Human CARS Polyclonal Antibody | anti-CARS antibody

Anti-CARS Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA262397	**Rabbit**	**Human**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

CARS; Polyclonal Antibody; Anti-CARS Antibody; Cysteine--tRNA ligase; cytoplasmic; Cysteinyl-tRNA synthetase; CysRS; anti-CARS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of CARS protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	831
Applicable Applications for anti-CARS antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human CARS
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent analysis of CARS staining in Hela cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

IHC (Immunohiostchemistry)
Immunohistochemical analysis of CARS staining in mouse heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

WB (Western Blot)
Western blot analysis of CARS expression in Hela (A), MCF7 (B), mouse liver (C), rat spinal cord (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-CARS antibody	Rabbit polyclonal antibody to CARS

NCBI AND UNIPROT INFORMATION

NCBI GI #	62240992
NCBI GeneID	833
NCBI Accession #	NP_001014437.1
NCBI GenBank Nucleotide #	NM_001014437.2
UniProt Accession #	P49589; Q53XI8; Q5HYE4; Q9HD24; Q9HD25
Molecular Weight	94,638 Da
NCBI Official Full Name	cysteine--tRNA ligase, cytoplasmic isoform c
NCBI Official Synonym Full Names	cysteinyl-tRNA synthetase
NCBI Official Symbol	CARS
NCBI Official Synonym Symbols	CARS1; CYSRS; MGC:11246
NCBI Protein Information	cysteine--tRNA ligase, cytoplasmic
UniProt Protein Name	Cysteine--tRNA ligase, cytoplasmic
UniProt Gene Name	**CARS**
UniProt Synonym Gene Names	CysRS
UniProt Entry Name	SYCC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/cars-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/262397