

Rabbit anti-Human CARS2 Polyclonal Antibody | anti-CARS2 antibody

CARS2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286347	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

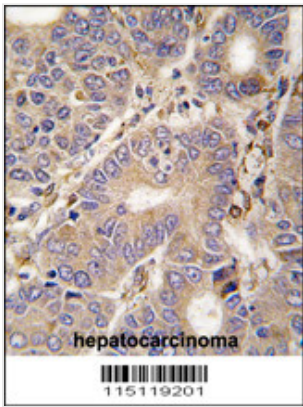
PRODUCT SYNONYMS

CARS2; Polyclonal Antibody; CARS2 Antibody (C-term); Probable cysteine--tRNA ligase; mitochondrial; CysteinyI-tRNA synthetase; CysRS; anti-CARS2 antibody

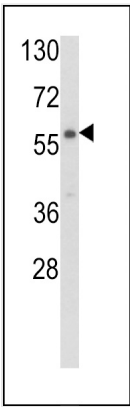
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CARS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 536-564 amino acids from the C-terminal region of human CARS2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	536-564
Sequence Length	564
Applicable Applications for anti-CARS2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with CARS2 antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of CARS2 Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). CARS2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CARS2 antibody	CARS is a class 2 aminoacyl-tRNA synthetase, cysteinyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid. It catalyzes the chemical reaction: $ATP + L-cysteine + tRNA(Cys) = AMP + diphosphate + L-cysteinyl-tRNA(Cys).$
References	Bonnefond L., Biochemistry 44:4805-4816(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	13375695
NCBI GeneID	79587
NCBI Accession #	NP_078813.1
NCBI GenBank Nucleotide #	NM_024537.3
UniProt Accession #	Q9HA77; Q8NI84; Q96IV4
Molecular Weight	62224
NCBI Official Full Name	probable cysteine--tRNA ligase, mitochondrial
NCBI Official Synonym Full Names	cysteinyl-tRNA synthetase 2, mitochondrial (putative)
NCBI Official Symbol	CARS2
NCBI Official Synonym Symbols	cysRS
NCBI Protein Information	probable cysteine--tRNA ligase, mitochondrial
UniProt Protein Name	Probable cysteine--tRNA ligase, mitochondrial
UniProt Gene Name	CARS2
UniProt Synonym Gene Names	CysRS
UniProt Entry Name	SYCM_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/polyclonal/cars2-antibody-immunohistochemistry-western-blot-elisa/286347>