

Rabbit CARS Polyclonal Antibody | anti-CARS antibody

CARS Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281143	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CARS; Polyclonal Antibody; CARS Polyclonal Antibody; CARS1; CYSRS; MGC:11246; anti-CARS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Sequence	ILRAPVDITG QFEKWGEEEE ELNKNFYDKK TAIHKALCDN VDTRTVMEEM RALVSQCPLY MAARKAVRKR PNQALLENIA LYLTHMLKIF GAVEEDSSLG FPVGGPGTSL SLEATVMPYL QVLSEFREGV RKIAREQKVP EILQLSDALR DNILPELGVR FEDHEGLPTV VKLVDRNTLL KEREKRRVE EEKRKKKEEA ARRKQEQA KLAKMKIPPS EMFLSETDKY SKFDENGLPT HDMEGKELSK GQAKK
Sequence Length	831
Applicable Applications for anti-CARS antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CARS
Immunogen Species	Human
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Cellular Location	Cytoplasm
Positive Samples	293T, HeLa, BxPC-3, MCF-7, Mouse liver, Mouse skeletal muscle, Rat spinal cord
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse lung using CARS Antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using CARS antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.

ADDITIONAL INFORMATION

Related Product Information for anti-CARS antibody	This gene encodes a class 1 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. This gene is one of several located near the imprinted gene domain on chromosome 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian and breast cancers. Alternative splicing of this gene results in multiple transcript variants.
Product Categories/Family for anti-CARS antibody	Polyclonal Antibodies

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	Calculated: 82kDa; 85kDa; 94kDa Observed: 85kDa
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

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://stage.aaabiotech.com/polyclonal/cars-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281143>