

DNAxPAb

Hard-to-Find
Antibody

CARS DNAxPab

Catalog # H00000833-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human CARS DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MADSSGQQGKGRRVQPQWSPAGTQPCRLHLYNSLTRNKEVFIPQDGKKVTWYCCGPTVYDAS
HMGHARSYSISFDILRRVLKDYFKFDVFYCMNITDIDDKIIKRARQNHLEFYREKRPEAAQLLEDVQA
ALKPFSVKLNETTDPDKKQMLERIQHAVQLATEPLEKAVQSRLTGEEVNSCVELLEEAKDLLSD
WLDSTLGCDVTDNSIFSKLPKFWEGDFHRDMEALNVLPDVLTRVSEYVPEVNFVQKIVDNGYG
YVNSGSVYFD TAKFASSEKHSYGKLVPEAVGDQKALQEGEGDLSISADRLSEKRSPNDFALWKA
SKPGEPSWPCPWGKGRPGWHIECSAMAGTLLGASMDIHGGGFDLRFPHHDNELAQSEAYFEN
DCWVRYFLHTGHLTIAGCKMSKSLKNFITIKDALKKHSARQLRLAFLMHSWKD TLDYSSNTMESAL
QYEKFLNEFFLNVDILRAPVDITGQFEKWGEEEEAE LNKNFYDKKTAIHKALCDNVDTRTVM EEM
RALVSQC NLYMAARKAVRKRPNQALLENIALYLTHMLKIFGAVEEDSSLGFPVGGPGTSL SLEATV
MPYLQVLSEFREGVRK IAREQKVPEILQLSDALRDNILPELGVRFEDHEGLPTVVKLVDRNTLLKE
REEKRRVEEEKRKKKEEAARRKQEQA AKLAKMKIPPSEMFLSETDKYSKFDENGLPTHDMEG
KELSKGQAKKLKLF EAQEKLYKEYLQMAQNGSFQ

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — CARS

Entrez GeneID [833](#)

GeneBank Accession# [NM_001751.4](#)

Protein Accession# [NP_001742.1](#)

Gene Name CARS

Gene Alias CARS1, CYSRS, MGC:11246

Gene Description cysteinyl-tRNA synthetase

Omim ID [123859](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations OTTHUMP00000012605|cysteine tRNA ligase 1, cytoplasmic|cysteine transylase|cysteine-tRNA ligase

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Proteinuria](#)