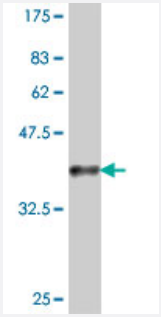
CARS polyclonal antibody (A01)

Catalog # H00000833-A01 Size 50 uL

Applications



Western Blot detection against Immunogen (37.11 KDa) .

Specification

Product Description	Mouse polyclonal antibody raised against a partial recombinant CARS.
Immunogen	CARS (NP_001742, 447 a.a. ~ 546 a.a) partial recombinant protein with GST tag.
Sequence	NTMESALQYEKFLNEFFLNVKDILRAPVDITGQFEKWGEEEAELNKNFYDKKTAIHKALCDNVDTR TVMEEMRALVSQCNLYMAARKAVRKRPNQALLEN
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (89); Rat (90)
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.11 KDa) .
Storage Buffer	50 % glycerol
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — CARS

Entrez GeneID	833
GeneBank Accession#	NM_001751
Protein Accession#	NP_001742
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 isoa ccepting family with the cognate amino acid. This gene is one of several located near the imprinte d 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, rhabdomyosarcom a, adrenocortical carcinoma, and lung, ovarian, and breast cancer. Alternative splicing of this gen e results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq
Other Designations	OTTHUMP00000012605|cysteine tRNA ligase 1, cytoplasmic|cysteine translase|cysteine-tRNA li gase

Pathway

- Aminoacyl-tRNA biosynthesis

Disease

- Diabetes Mellitus
- Diabetic Nephropathies

- Genetic Predisposition to Disease
- Kidney Failure
- Proteinuria