



Mouse anti-Human CARS monoclonal antibody, clone DM3403 (CABT-B9389)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Recombinant protein corresponding to Human CARS
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	DM3403
Purification	Protein A
Conjugate	Unconjugated
Applications	IHC, WB
Format	Liquid
Size	100 µl
Buffer	PBS, pH 7.2, with 40% glycerol
Preservative	0.02% sodium azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction	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
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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. [provided by RefSeq, Aug 2010]

Keywords	CARS; cysteinyl-tRNA synthetase; CARS1; CYSRS; MGC:11246; cysteine--tRNA ligase, cytoplasmic; cysteine translase; cysteine tRNA ligase 1, cytoplasmic;
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GENE INFORMATION

Entrez Gene ID [833](#)

UniProt ID [P49589](#)