

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **CARS RABBIT MAB**

Cat.#: N263249 Product Name: Anti-CARS Rabbit Monoclonal Antibody Synonyms: CARS1; CYSRS; MGC:11246 UNIPROT ID: P49589

**Background:** This gene encodes a class I 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.

Immunogen: A synthetic peptide of human CARS

Applications: WB,IHC-P

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100

Host Species: Rabbit

Clonality: Rabbit Monoclonal

**Clone ID:** R01-7D4

MW: Calculated MW: 85 kDa; Observed MW: 85 kDa

Isotype: IgG

**Purification:** Affinity Purified

Species Reactivity: Human,Rat

Conjugation: Unconjugated

Modification: Unmodified

**Constituents:** PBS (without Mg2+ and Ca2+), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

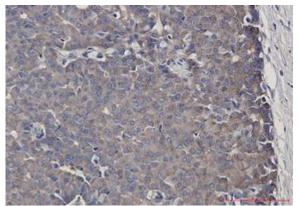
**Research Areas:** Signal Transduction

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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Immunohistochemistry analysis of paraffin-embedded Human breast cancer using CARS antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

	18 510 Cr	
180- 130-		
95-		
72.	CARS	
55-		
43-		
34-		
26-		
17-		

Western blot analysis of CARS in Hela, A549, HL-60, U2OS, C6 lysates using CARS antibody.