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CARS Rabbit mAb

Catalog # AP76419

Product Information

Application	WB, IHC-P
Primary Accession	P49589
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	85473

Additional Information

Gene ID	833
Other Names	CARS1
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

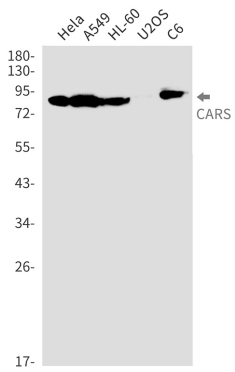
Name	CARS1 (HGNC:1493)
Synonyms	CARS
Function	Catalyzes the ATP-dependent ligation of cysteine to tRNA(Cys).
Cellular Location	Cytoplasm.

Background

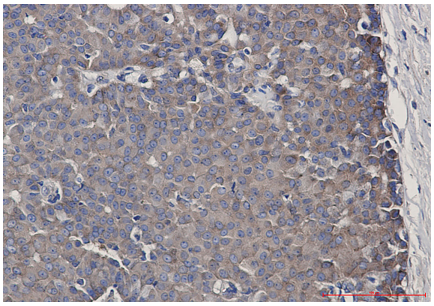
This gene encodes a class 1 aminoacyl-tRNA synthetase, cysteinyl-tRNA synthetase. Each of the twenty aminoacyl-tRNA synthetases catalyzes the aminoacylation of a specific tRNA or tRNA isoaccepting family with the cognate amino acid. This gene is one of several located near the imprinted gene domain on 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.

Images



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



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.