

For Research Use Only

AMACR/p504S Recombinant antibody

Catalog Number: 84891-2-RR



Basic Information

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| Catalog Number: 84891-2-RR | GenBank Accession Number: BC009471 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 23600 | CloneNo.: 242456D1 |
| Source: Rabbit | UNIPROT ID: Q9UHK6 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG | Full Name: alpha-methylacyl-CoA racemase | |
| Immunogen Catalog Number: AG8720 | Calculated MW: 382 aa, 42 kDa | |
| | Observed MW: 42 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : LNCaP cells, HEK-293 cells, MCF-7 cells, HepG2 cells, DU 145 cells |
| Species Specificity: human | |

Background Information

AMACR(Alpha-methyl acyl-CoA racemase) belongs to the CaiB/BaiF CoA-transferase family. A mitochondrial and peroxisomal enzyme catalyzes the conversion of 2R stereoisomers of phytanic and pristanic acid to their S counterparts. AMACR has previously been shown to be a highly sensitive marker for colorectal and clinically localized prostate cancer (PCa). However, AMACR expression is down-regulated at the transcript and protein level in hormone-refractory metastatic PCa, suggesting a hormone-dependent expression of AMACR(PMID:12213712). It has 3 isoforms produced by alternative splicing and can form a dimer of 70-75 kDa(PMID:21812041). Defects in AMACR cause alpha-methyl acyl-CoA racemase deficiency (AMACRD) and congenital bile acid synthesis defect type 4 (CBAS4).

Storage

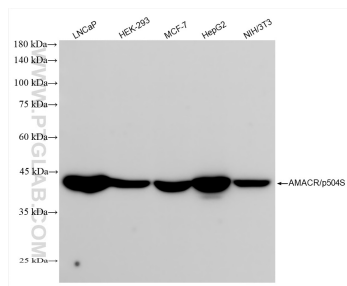
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84891-2-RR (AMACR/p504S antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.