

For Research Use Only

AMACR/p504S Recombinant antibody, PBS Only (Capture)

Catalog Number: 84891-2-PBS



Basic Information

| | | |
|-------------------------------------|---|--|
| Catalog Number: 84891-2-PBS | GenBank Accession Number: BC009471 | Purification Method: Protein A purification |
| Concentration: 1 mg/ml | GeneID (NCBI): 23600 | CloneNo.: 242456D1 |
| Source: Rabbit | UNIPROT ID: Q9UHK6 | |
| Isotype: IgG | Full Name: alpha-methylacyl-CoA racemase | |
| Immunogen Catalog Number: AG8720 | Calculated MW: 382 aa, 42 kDa | |
| | Observed MW: 42 kDa | |

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

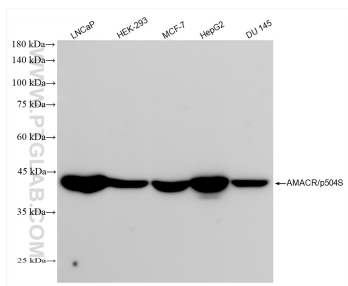
T: 4006900926

E: Proteintech-CN@ptglab.com

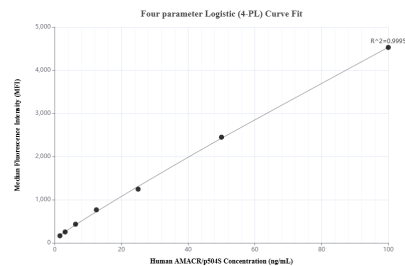
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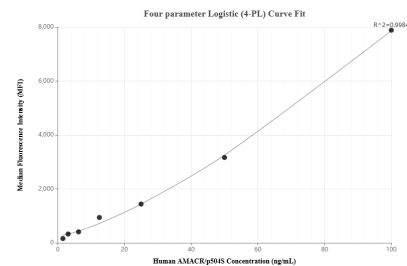
Selected Validation Data



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. This data was developed using the same antibody clone with 84891-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01623-2, AMACR/p504S Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84891-2-PBS. Detection antibody: 84891-3-PBS. Standard: Ag8720. Range: 1.563-100 ng/mL.



Cytometric bead array standard curve of MP01623-1, AMACR/p504S Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84891-2-PBS. Detection antibody: 84891-1-PBS. Standard: Ag8720. Range: 1.563-100 ng/mL.