

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
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	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

Product Information

84891-2-PBS targets AMACR/p504S as part of a matched antibody pair:

MP01623-1: 84891-2-PBS capture and 84891-1-PBS detection (validated in Cytometric bead array)

MP01623-2: 84891-2-PBS capture and 84891-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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).

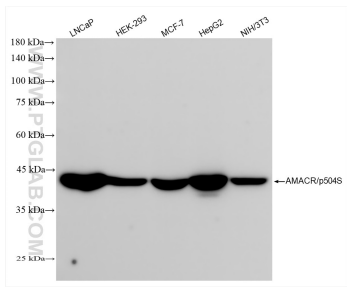
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

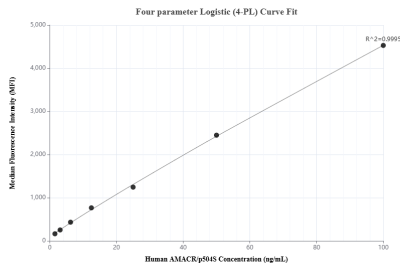
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

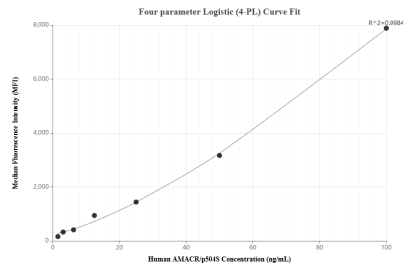
Selected Validation Data



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.