

For Research Use Only

p504S,AMACR Monoclonal antibody, PBS Only

Catalog Number:60240-1-PBS



Basic Information

Catalog Number: 60240-1-PBS	GenBank Accession Number: BC009471	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 23600	CloneNo.: 2H9B5
Source: Mouse	UNIPROT ID: Q9UHK6	
Isotype: IgG1	Full Name: alpha-methylacyl-CoA racemase	
Immunogen Catalog Number: AG8720	Calculated MW: 382 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

AMACR(Alpha-methyl acyl-CoA racemase) belongs to the CaiB/BaiF CoA-transferase family. It is a mitochondrial and peroxisomal enzyme that 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. Defects in AMACR are the cause of 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:

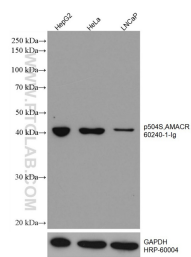
T: 4006900926

E: Proteintech-CN@ptglab.com

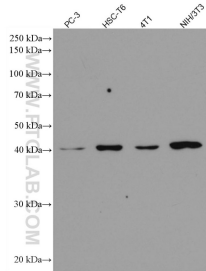
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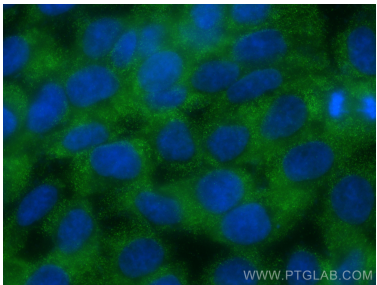
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 60240-1-Ig (p504S,AMACR antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 60240-1-PBS in a different storage buffer formulation.



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Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using p504S,AMACR antibody (60240-1-Ig, Clone: 2H9B5) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). This data was developed using the same antibody clone with 60240-1-PBS in a different storage buffer formulation.