

For Research Use Only

CoraLite® Plus 488-conjugated p504S,AMACR Monoclonal antibody

Catalog Number:CL488-60240



Basic Information

Catalog Number: CL488-60240	GenBank Accession Number: BC009471	Purification Method: Protein G purification
Size: 1000 ug/ml	GeneID (NCBI): 23600	CloneNo.: 2H9B5
Source: Mouse	UNIPROT ID: Q9UHK6	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: alpha-methylacyl-CoA racemase	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG8720	Calculated MW: 382 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications: IF/ICC, FC (Intra)	Positive Controls: IF/ICC : A431 cells,
Species Specificity: human, mouse	

Background Information

AMACR(Alpha-methylacyl-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-methylacyl-CoA racemase deficiency (AMACRD) and congenital bile acid synthesis defect type 4 (CBAS4).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

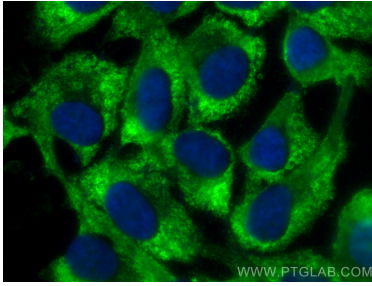
T: 4006900926

E: Proteintech-CN@ptglab.com

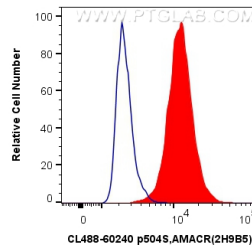
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using Coralite® Plus 488 p504S,AMACR antibody (CL488-60240, Clone: 2H9B5) at dilution of 1:200.



1X10⁶ LNCaP cells were intracellularly stained with 0.4 ug Coralite® Plus 488 Anti-Human p504S,AMACR (CL488-60240, Clone:2H9B5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).