

P504S Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0975
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant human P504S (C-terminus) protein fragments expressed in E.coli.
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	WB, IF, ICC
Concentration	1 mg/ml
Full name	Alpha-methylacyl-CoA racemase
Synonyms	AMACR; Alpha-methylacyl-CoA racemase; 2-methylacyl-CoA racemase

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes a racemase. The encoded enzyme interconverts pristanoyl-CoA and C27-bile acylCoAs between their (R)- and (S)- stereoisomers. The conversion to the (S)-stereoisomers is necessary for degradation of these substrates by peroxisomal beta-oxidation. Encoded proteins from this locus localize to both mitochondria and peroxisomes. Mutations in this gene may be associated with adult-onset sensorimotor neuropathy, pigmentary retinopathy, and adrenomyeloneuropathy due to defects in bile acid synthesis. Alternatively spliced transcript variants have been described. Read-through transcription also exists between this gene and the upstream neighboring C1QTNF3 (C1q and tumor necrosis factor related protein 3) gene.

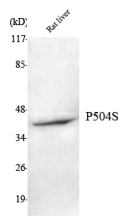
Recommended Dilution

IF: 1:100 - 1:500

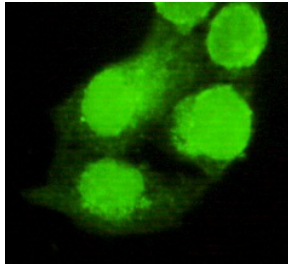
WB: 1:1000 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using P504S Monoclonal antibody against rat liver lysate.



Immunofluorescence analysis of HeLa cells using P504S Monoclonal antibody.

Storage

-20°C for one year

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