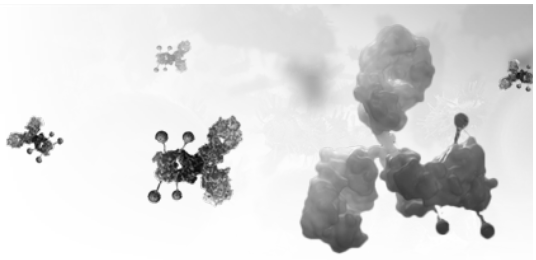

Mouse Anti-Human p504s monoclonal antibody, clone JID615 (CABT-L2789)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human p504s
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID615
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Prostate Carcinoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	p504s, also known as α-methylacyl coenzyme A racemase (AMACR), is an enzyme localized in the peroxisome and mitochondria, which functions in β-oxidation of branched chain fatty acids, as well as bile synthesis. AMACR has been clinically indicated as a tissue biomarker for prostate cancer and colorectal cancer, as well as high-grade prostatic intraepithelial neoplasia, a precursor lesion of prostate cancer. p504s overexpression has also been detected in a number of other cancers including ovarian, breast, bladder, lung, and renal cell carcinomas, lymphoma, and melanoma.
Keywords	AMACR;alpha-methylacyl-CoA racemase;RM;RACE;CBAS4;AMACRD;2-methylacyl-CoA racemase;

GENE INFORMATION

Gene Name	AMACR alpha-methylacyl-CoA racemase [Homo sapiens (human)]
Official Symbol	AMACR
Synonyms	AMACR; alpha-methylacyl-CoA racemase; RM; RACE; CBAS4; AMACRD; 2-methylacyl-CoA racemase;
Entrez Gene ID	23600
Protein Refseq	NP_001161067
UniProt ID	Q9UHK6
Chromosome Location	5p13
Pathway	Beta-oxidation of pristanoyl-CoA; Bile acid and bile salt metabolism; Bile acid biosynthesis, cholesterol => cholate/chenodeoxycholate; Metabolic pathways; Metabolism; Metabolism of lipids and lipoproteins; Peroxisomal lipid metabolism; Peroxisome;
Function	alpha-methylacyl-CoA racemase activity; receptor binding;

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