

## AMACR Conjugated Antibody

Catalog No: #C32171



Package Size: #C32171-AF350 100ul #C32171-AF405 100ul #C32171-AF488 100ul  
 #C32171-AF555 100ul #C32171-AF594 100ul #C32171-AF647 100ul  
 #C32171-AF680 100ul #C32171-AF750 100ul #C32171-Biotin 100ul

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## Description

Product Name	AMACR Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total AMACR protein.
Immunogen Description	Recombinant protein of human AMACR .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	AMACR;CBAS4;RACE;2-methylacyl-CoAracemase
Accession No.	Swiss-Prot#:Q9UHK6NCBI Gene ID:23600
Uniprot	Q9UHK6
GeneID	23600;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	42
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Product Description

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Antibodies were purified by affinity purification using immunogen.

## Background

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$\alpha$ -methylacyl-CoA racemase (AMACR), an enzyme localized in peroxisomes and mitochondria, is involved in the  $\beta$ -oxidation of branched-chain fatty acids and fatty acid derivatives (1). AMACR has been reported to be a biomarker for prostate cancer (2-4). The expression of AMACR is also related to other types of cancers such as hepatocellular carcinoma (1), noninvasive bladder cancer (5), colorectal cancer (6) and gastric adenocarcinoma (7).

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Note: This product is for in vitro research use only