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Datasheet for ABIN6939430 anti-AMACR antibody

5 Images



Overview

Quantity:	100 µg
Target:	AMACR
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This AMACR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human AMACR protein
Clone:	AMACR-1723
lsotype:	lgG2b kappa
Specificity:	This antibody recognizes a protein of 42 kDa, which is identified as AMACR, also known as
	p504S. It is an enzyme that is involved in bile acid biosynthesis and -oxidation of branched-
	chain fatty acids. AMACR is essential in lipid metabolism. It is expressed in cells of
	premalignant high-grade prostatic intraepithelial neoplasia (HGPIN) and prostate
	adenocarcinoma. The majority of the carcinoma cells show a distinct granular cytoplasmic
	staining reaction. AMACR is present at low or undetectable levels in glandular epithelial cells of
	normal prostate and benign prostatic hyperplasia. A spotty granular cytoplasmic staining is
	seen in a few cells of the benign glands. AMACR is expressed in normal liver (hepatocytes),
	kidney (tubular epithelial cells) and gall bladder (epithelial cells). Expression has also been
	found in lung (bronchial epithelial cells) and colon (colonic surface epithelium). AMACR

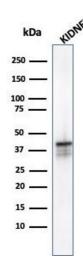
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Product Details	
	expression can also be found in hepatocellular carcinoma and kidney carcinoma. Past studies have also shown that AMACR is expressed in various colon carcinomas (well, moderately and poorly differentiated) and over expressed in prostate carcinoma.
Purification:	Purified by Protein A/G
Target Details	
Target:	AMACR
Alternative Name:	AMACR (AMACR Products)
Molecular Weight:	42kDa
Gene ID:	23600
UniProt:	Q9UHK6
Pathways:	Monocarboxylic Acid Catabolic Process
Application Details	
Application Notes:	Positive Control: PC3, HEK cells. Prostate Adenocarcinoma, Human Liver Tissue. Known Application: Western Blot (0.5-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µ g/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only
Handling	
Concentration:	200 μg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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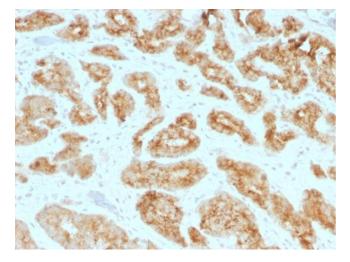
24 months

Images



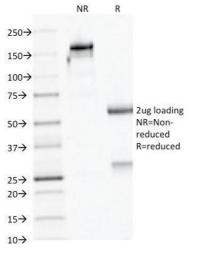
Western Blotting

Image 1. Western Blot analysis of Kidney tissue lysate using AMACR Mouse Monoclonal Antibody (AMACR/1723).



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with AMACR / p504S Mouse Monoclonal Antibody (AMACR/1723).



SDS-PAGE

Image 3. SDS-PAGE Analysis Purified AMACR / p504S Mouse Monoclonal Antibody (AMACR/1723). Confirmation of Integrity and Purity of Antibody.

Please check the product details page for more images. Overall 5 images are available for ABIN6939430.

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