Datasheet for ABIN6939433

anti-AMACR antibody

4 Images

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Overview

Quantity:	100 µg
Target:	AMACR
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AMACR antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	A synthetic peptide from human AMACR protein
Isotype:	IgG
Specificity:	This antibody recognizes a protein of 54 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 expression can also be found in hepatocellular carcinoma and kidney carcinoma. Past studies

Product Details

	have also shown that AMACR is expressed in various colon carcinomas (well, moderately and poorly differentiated) and over expressed in prostate carcinoma.

Target Details

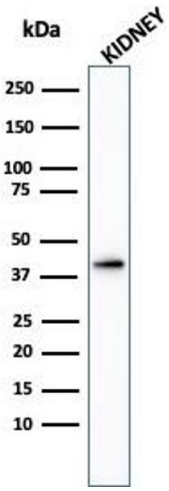
Target:	AMACR
Alternative Name:	AMACR (AMACR Products)
Molecular Weight:	42kDa
Gene ID:	23600
UniProt:	Q9UHK6
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

Application Notes:	Positive Control: HEK cells. Prostate Adenocarcinoma. Known Application: Immunohistochemistry (Formalin-fixed) (1:50-1:100 for 30-60 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 1 mM EDTA, pH 7.5-8.5, 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

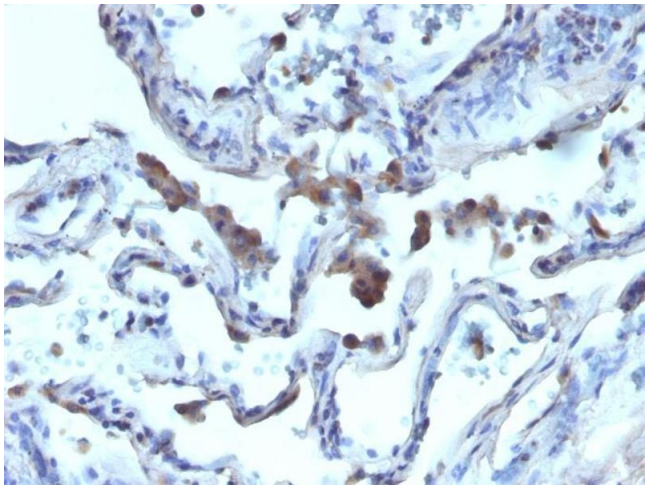
Handling

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.
Expiry Date:	24 months



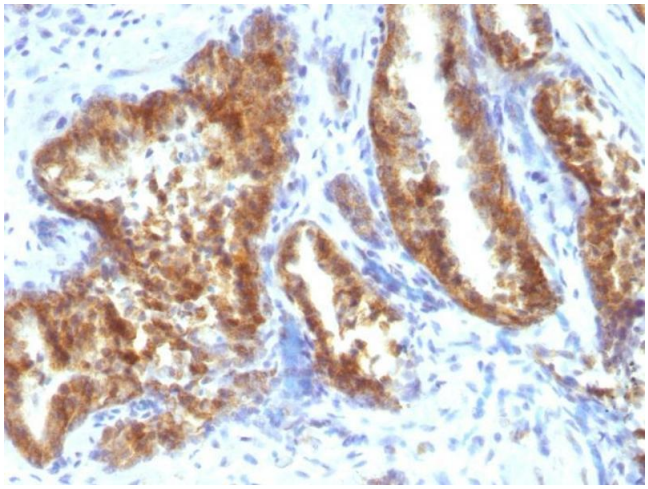
Western Blotting

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



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Lung Carcinoma stained with AMACR / p504S Rabbit Polyclonal Antibody.



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with AMACR / p504S Rabbit Polyclonal Antibody.

Please check the product details page for more images. Overall 4 images are available for ABIN6939433.