

AMACR Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50110

Clone# BP6115

Predicted Molecular Wt: 42kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q9UHK6

Background:

Alpha-methylacyl-CoA racemase (AMACR), also known as p504s, is a mitochondrial and peroxisomal enzyme that is involved in bile acid biosynthesis and beta-oxidation of branched-chain fatty acids.

AMACR is essential in lipid metabolism, and 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).

In immunohistochemistry (IHC), AMACR antibody has been shown to be a specific marker of prostatic adenocarcinoma.

Subcellular location:

Cytoplasm

Recommended method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

Full-length recombinant Human Placental Lactogen protein was used as an immunogen.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:

-20°C

Storage instructions:

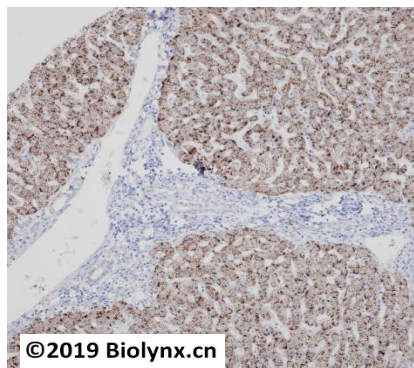
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:


IHC-P: 1:100-1:200

Background References:

- Schmitz W., J. Biochem. 231:815-822(1995).
- Ghosh D., Berg J.M. J. Am. Chem. Soc. 132:3973-3979(2010).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of liver labelling AMACR with BP6115. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.