

AMACR Mouse Monoclonal Antibody Product Datasheet

Catalog# BX50250

Clone# BPM6227

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

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

Background:

AMACR (P504S protein, 48 kDa) plays a role in the beta-oxidation of branched-chain fatty acids and their derivatives. AMACR is found in mitochondria and peroxisomes of numerous tissues such as prostate, liver, biliary tract, kidney and lung. Using immunohistochemistry, non-neoplastic prostate show a weak or focal staining reaction in about 20% of the cases. The reactivity tends to decrease with age but the correlation coefficient is low.

A diffuse staining pattern for AMACR has been found in more than 90% of prostate carcinomas irrespective of Gleason score. Particularly foamy, pseudohyperplastic and atrophic variants of carcinoma may be negative. In prostatic intraepithelial neoplasia (PIN), the positive rate of AMACR ranges from 13% to 72%.

AMACR antibody is mainly used in clinical diagnosis of prostate cancer.

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:

Synthetic peptide corresponding to residues of AMACR was used as an immunogen.

Storage Buffer:

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

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

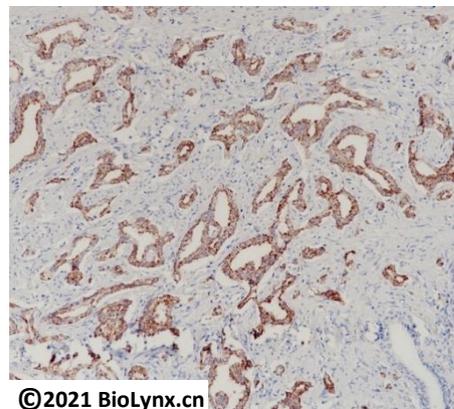
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Marx, A. et al. (2008) Virchows Arch 453, 243-248.
2. Li, W. et al. (2008) J Exp Clin Cancer Res 27, 2.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of prostate cancer labelling AMACR with BPM6227.

Product QC'd by:



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