

AMCAR-P504S Mouse Monoclonal Antibody (4A12)

Catalog No: RA10240

Basic Information

Host species	Mouse
Applications	WB, IHC
Species Cross-Reactivity	H, M, R
Specificity	AMACR/P504S Mouse Monoclonal antibody detects endogenous AMCAR/P504S proteins.
Recommended dilutions	WB: 1:1,000 IHC: 1:200 Optimal dilutions should be determined by the end user.

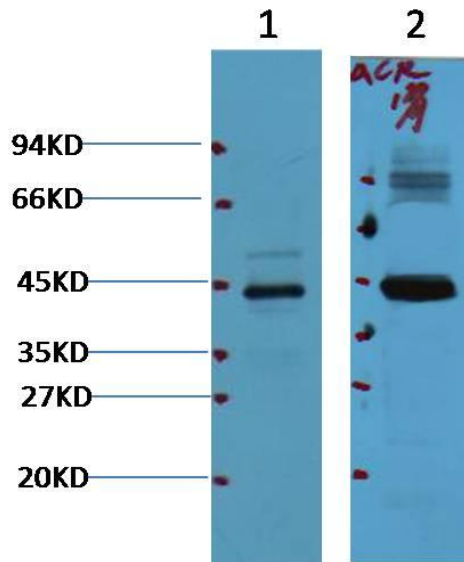
Applications

Formulation	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Concentration	1 mg/ml
Clonality	Monoclonal

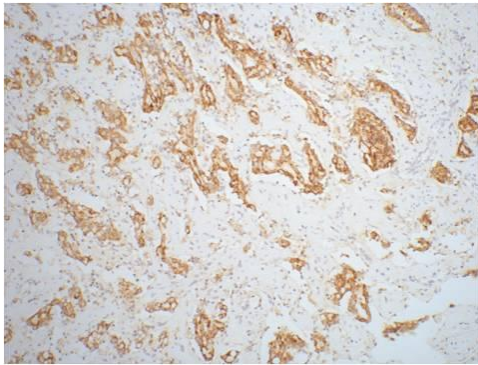
Background

Alternative Names	
Observed band	42
Human Gene ID	23600
Human Swiss-Prot Number	Q9UHK6
Background	AMACR has been recently described as prostate cancer-specific gene that encodes a protein involved in the beta-oxidation of branched chain fatty acids. Expression of AMACR protein is found in prostatic adenocarcinoma but not in benign prostatic tissue. It stains premalignant lesions of prostate: high-grade prostatic intraepithelial neoplasia (PIN) and atypical adenomatous hyperplasia.

Selected Validation Data



Western blot analysis of 1) HepG2, 2) Mouse Kidney with AMACR/P504S mAb diluted at 1:1,000.



IHC staining of mouse prostate adenocarcinoma tissue with AMACR/P504S mouse mAb(4A12) diluted at 1:200.