

Name	: Mr. DUMMY	Collected	: 11/7/2017 1:20:00PM
Lab No.	: 133434226	Age: 25 Years	Gender: Male
A/c Status	: P	Ref By : Dr. UNKNWON	Report Status : Final
		Received	: 11/7/2017 1:30:45PM
		Reported	: 18/7/2017 3:27:44PM

Test Name	Results	Units	Bio. Ref. Interval
IHC MARKER(S)	RESULT		
AMACR (P504S)	Non-immunoreactive, score 0 in neoplastic cells		

SLIDE NO : B/ 2222222/17  
 SPECIMEN : Biopsy for IHC markers.  
 CLINICAL HISTORY : --  
 GROSS : Received 1 formalin fixed paraffin embedded block labelled as 'ABCDE'  
 IMPRESSION : **Features are consistent with XYZ**  
 ADVISED : Clinical & radiological correlation.

**INTERPRETATION**

RESULT	SCORE
Non immunoreactive	0
Immunoreactive in 1-25 % cells	1+
Immunoreactive in 26-50% cells	2+
Immunoreactive in 51-75% cells	3+
Immunoreactive in 76-100% cells	4+

**COMMENTS**

**AMACR (P504S):-** P504S is a gene that encodes a protein Alpha-Methylacyl-Coenzyme A Racemase that is involved in the metabolism of branched-chain fatty acids and bile acid intermediates. P504S antibody stains human Alpha Methylacyl CoA Racemase in the cytoplasm of target prostatic cells. AMACR has been described as a prostate cancer-specific gene High expression of AMACR (P504S) protein is usually found in Prostatic Adenocarcinoma but not in benign prostatic tissue by immunohistochemical staining in paraffin-embedded tissues. It also stains premalignant lesions of prostate: High grade prostatic intraepithelial neoplasia (PIN) and Atypical adenomatous hyperplasia. Several studies have suggested that AMACR can be used as a prostate cancer biomarker. Using AMACR (P504S) as a positive marker along with basal cell staining (34 beta E12 or p63) as a negative marker could help to confirm the diagnosis of a small focus of prostate carcinoma on needle biopsies.

**NOTE**

- Detection system used is Polymer HRP



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2.	The impression is based on the material submitted and is not a complete surgical pathology report.		
3.	False negative IHC results due to inadequate fixation of the material sent for evaluation cannot be excluded.		

#### FIXATION REQUIREMENTS

- The volume of formalin fixative should be atleast 10 times the volume of the specimen.
- Decalcification solutions with strong acids should not be used.
- Specimens should be immersed in fixative within 1 hour of the biopsy/resection procedure (time of removal & time of immersion to be mentioned).
- In all resection (large) specimens, the tumour must be bisected prior to immersion in fixative

DR. HEMA MALINI AIYER  
MD (PATH)  
HOD-HISTOPATH/CYTOPATH

-----End of report-----

