

Name	: Mr. DUMMY	Collected	: 11/7/2017 1:21:00PM
Lab No.	: 133434223	Age: 25 Years	Gender: Male
A/c Status	: P	Ref By : Dr. UNKNWON	Report Status : Final
		Received	: 11/7/2017 1:30:52PM
		Reported	: 19/7/2017 9:50:53AM

Test Name	Results	Units	Bio. Ref. Interval
IHC MARKER(S)	RESULT		
CALDESMON	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

Caldesmon is a smooth muscle and nonmuscle regulatory protein that interacts with actin, myosin, tropomyosin, and calmodulin. Smooth muscle caldesmon is an elongated molecule with a calmodulin, tropomyosin, and action-binding region at the C-terminus and a myosin binding domain at the N-terminus. Caldesmon stimulates actin binding of tropomyosin which increases the stabilization of actin filament structure. In muscle tissues, caldesmon inhibits the actomyosin ATPase by binding to F-Actin. Caldesmon is a useful marker for smooth muscle tumors.

NOTE

1. Detection system used is Polymer HRP
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.



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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-----

