

## IMMUNOHISTOCHEMISTRY, THYROGLOBULIN

IHC MARKER	RESULT
THYROGLOBULIN	

SLIDE NO :

SPECIMEN:

CLINICAL HISTORY:

GROSS:

IMPRESSION:

ADVISED:

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

**Thyroglobulin** is produced by Thyroid follicular cells and serves as a substrate for iodination and hormonogenesis. It is a specific marker of thyroid differentiation and is widely used in the evaluation of thyroid neoplasms. All Papillary and Follicular neoplasms of thyroid are positive for thyroglobulin while Medullary carcinoma is classically negative. Thyroglobulin immunohistochemistry is also important in the diagnosis of Metastatic carcinomas of thyroid origin.

## 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.

## FIXATION REQUIREMENTS

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