

## IMMUNOHISTOCHEMISTRY, CYTOKERATIN

IHC MARKER	RESULT
CYTOKERATIN (PAN CYTOKERATIN)	

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

**Cytokeratin (CK):** It is used as a marker of epithelial differentiation showing positive granular cytoplasmic staining in all epithelial tumors. At least 20 well defined subclasses of keratins have been identified. For scanning purposes, several of these antibodies are combined in the form of cocktails. Most of the tumors of endodermal, neuroectodermal, mesenchymal or germ cell derivation with epithelial differentiation stain positive with keratins. Positivity is also seen in Synovial sarcoma, Epithelioid sarcoma and Uterine 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.

## 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.