

# Immunohistochemistry-IHC

## IHC in Surgical Pathology

- Seeing beyond the tissue: Antigen-specific insights for precise diagnostics
- Personalize, Target & Monitor Therapy with IHC
- Comprehensive review of complex cases / Lymphomas / Metastatic Tumors

**TRUSTlab Diagnostics Private Limited**

📍 National Reference Lab: #31, St. No. 5, Prakash Nagar,  
Begumpet, Hyderabad (TS) 500016 - INDIA

✉ [customercare@mytrustlab.com](mailto:customercare@mytrustlab.com) ☎ 74 400 75 400 🌐 [www.mytrustlab.com](http://www.mytrustlab.com)

# CANCER IHC MARKERS



## BREAST CANCER

Progesterone Receptor (PR),  
Estrogen Receptor (ER), SMA,  
p63, E-Cadherin, Ki-67 (MIB-1),  
HMWCK, GATA3, HER-2 neu, p53,  
GCDF15, Mammoglobin



## LIVER CANCER

Glypican-3, HePar-1,  
HSP70, AFP



## THYROID CANCER

TTF - 1 (Thyroid Transcription  
Factor-1), Calcitonin,  
Thyroglobulin, CK 19  
(Cyto Keratin 19)



## HAEMATOLYMPHOID

**LYMPHOMA DIAGNOSTIC/PROGNOSTIC MARKER**

Pan B : CD20, Pax5, CD19, CD79a  
Pan T: CD3, CD4, CD5, CD7, CD8, CD43  
Other :Alk1, CD45, CD10, Bcl2, Bcl6,  
Mum1, Tdt, CyclinD1, CD21, CD25, CD23,  
Annexin-1, DBA44, CMyC, CD1a, Kappa,  
Lamda, Ki67, CD56, CD57, CD30, CD15,  
Fascin, CD138, OCT2, CD68

### Leukaemias

Cd117, MPO, TdT, CD10, CD34, DBA44,  
B&T Cell Marker, Annexin



## PLASMA CELL NEOPLASM DIAGNOSTIC MARKER

CD19, CD138, Kappa,  
CD56, MUM-1, Lambda



## BLADDER TUMOR

Uroplakin, Ck7 Ck20, p63,  $\beta$  Catenin



## PROSTATE CANCER

AMACR, HMW CK, PSA, p63



## CNS TUMORS

GFAP, ATRX, IDH, EMA



## HISTIOCYTIC

CD1A, CD68, S100



## LUNG CANCER

Alk1 (D5F3)  
TTF-1, Napsin A,  
p63, CK5/6, p40



## OVARIAN & TESTICULAR GERM CELL CANCER

PLAP (Placental Alkaline Phosphatase),  
HCG (Human Chorionic Gonadotropin),  
AFP (Alpha Feto Protein), CA-125, CD30,  
WT1, EMA, SALL4, Oct3/4, CD117



## MELANOMA PANEL

HMB45, SOX10, Melan A

## SPINDLE CELL PANEL

PanCK, Vimentin, CD34, Desmin,  
SmActin, H-Caldesmon, Myogenin, TLE,  
CD117, Ki67, DOG1, Synaptophysin



## MESOTHELIOMA DIAGNOSTIC MARKER

Calretinin (Mesothelioma Marker),  
D240, WT1



## GASTROINTESTINAL MALIGNANCY

**MSI MARKER FOR COLON CANCER**

MLH1, MSH2, MSH6, PMS2

### NEUROENDOCRINE PANEL

Synaptophysin, Chromogranin, CD56,  
Ki67

### GIST Tumor

CD117(C-Kit), DOG1, C4d



## UNDIFFERENTIATED TUMOR DIAGNOSTIC MARKERS

NKX2.2, Desmin, CD56, Synaptophysin,  
Ck20, Cytokeratin (Pan Cytokeratin),  
Vimentin, p63, CDX-2, Wt1,  
NSE (Neuron Specific Enolase),  
HMB - 45, S100, Ck7, Chromogranin A



## MISCELLANEOUS

HPV Related Cancer - P16

Renal Biopsy Related Markers

SAA, IgA, IgG4, PLA2R1