

IHC, ISH & IF

PhenoPath offers a comprehensive menu of state-of-the-art diagnostic, prognostic and therapy-directing immunohistochemistry and immunofluorescence assays to aid in the diagnosis of a broad range of clinical settings. For information on specific tests or antibodies, please visit our website, email us at lab@phenopath.com, or contact Client Services or your Regional Sales Manager (888-927-4366).

PhenoPath is committed to rigorous testing, definitive diagnosis, and outstanding customer service, with an emphasis on accuracy, integrity, innovation, and accessibility to clients. Our testing strategies are based on continuous review of the most current medical literature, including the results of major clinical trials.

Features / Benefits

PhenoPath maintains over 225 validated IHC antibodies, including many esoteric markers

PhenoPath regularly updates its antibody menu for optimal diagnostic benefit

Targets include cell & tissue-specific markers, tumor prognostic & predictive markers, surrogate markers of chromosomal translocations, and other esoteric antigens

Procedures and test performance characteristics are optimized for small sample analysis

Samples are triaged by a PhenoPath pathologist to select most clinically useful tests

Pathologists & technologists are available to answer your clinical & technical questions

350+ publications in the field of IHC

Findings correlated with histologic, immunophenotypic, molecular & clinical findings

Rigorous test validation and quality control

Test results typically reported in 1-2 business days of receipt

Majority of menu available as stain only

Specialized Consultative Services

Carcinomas of unknown primary site

Large cell undifferentiated malignant neoplasms

Small, blue, round cell tumors of childhood

Mesothelioma vs. adenocarcinoma

Identification and subtyping of germ cell tumors

Spindle cell tumor/sarcoma subtyping

Prognostic and predictive markers in breast, lung and colon cancer

Mature & immature lymphoid and myeloid neoplasms

Plasmacytic neoplasms

Amyloid subtyping

Hydatidiform mole evaluation (IHC & FISH)

Skin and mucosal immunofluorescence studies

Identification of organisms, e.g., viruses, bacteria

Validation services for ER, PR, HER2 and others

IHC	ACTH
IHC	Actin, muscle specific (HHF35)
IHC	Adenovirus
IHC	ALK protein - heme
IHC	ALK, NSCLC
IHC	Alpha-1-antitrypsin
IHC	Alpha-fetoprotein
IHC	AMACR (p504s)
IHC	Amyloid A
IHC	Amyloid Beta
IHC	Amyloid P Component
IHC	Androgen Receptor
IHC	Arginase-1
IHC	ATRX
IHC	BAP1
IHC	bcl-2 (Clone 124)
IHC	bcl-2 (Clone C2)
IHC	bcl-6
IHC	bcl-10
IHC	Ber-Ep4 (epithelial glycoprotein)
IHC	Beta-catenin
IHC	Bg8 (blood group 8)
IHC	Blood Group A
IHC	Blood Group B
IHC	Bob-1
IHC	Brachyury
IHC	Breast multiplex
IHC	c-kit (CD117)
IHC	c-MYC
IHC	Calcitonin
IHC	Caldesmon
IHC	Calponin
IHC	Calretinin
IHC	Carbonic Anhydrase IX
IHC	Cathepsin K
IHC	CD1a
IHC	CD2
IHC	CD3
IHC	CD4
IHC	CD5
IHC	CD7
IHC	CD8
IHC	CD10 (CALLA)
IHC	CD14
IHC	CD15
IHC	CD19
IHC	CD20
IHC	CD21
IHC	CD22
IHC	CD23
IHC	CD25 (IL-2R α)
IHC	CD30 (K-1 antigen)
IHC	CD31
IHC	CD33
IHC	CD34
IHC	CD35
IHC	CD38
IHC	CD42b
IHC	CD43
IHC	CD45
IHC	CD56 (NCAM)
IHC	CD57
IHC	CD61
IHC	CD68 (KP-1)
IHC	CD71
IHC	CD79a
IHC	CD99
IHC	CD103
IHC	CD123
IHC	CD138

IHC	CD163
IHC	CD200
IHC	CDH17
IHC	CDX2
IHC	CEA [monoclonal II-7]
IHC	CEA [polyclonal, to CEA family (CD66)]
IHC	Chromogranin A (PHES)
IHC	Clusterin
IF	Complement C3*
IHC	Cyclin D1
IHC	Cytomegalovirus Cocktail
IHC	CXCL13
IHC	Desmin
IHC	DOG1
IHC	E-cadherin
ISH	EBV (EBER1 mRNA)
IHC	EBV - LMP
IHC	EGFR
IHC	EMA (Epithelial Membrane Antigen)
IHC	ERG
IHC	Estrogen Receptor (clone SP1)
IHC	Fascin
IHC	FOXP1
IHC	FOXP3
IHC	FSH (Follicle Stimulating Hormone)
IHC	Galectin-3
IHC	Gastrin
IHC	GATA-3
IHC	GCDFP-15 (Brst2)
IHC	GCET1
IHC	GFAP (glial-fibrillary acidic protein)
IHC	Glucagon
IHC	Glutamine Synthetase
IHC	Glycophorin A
IHC	Glypican-3 (GPC3)
IHC	Granzyme B
IHC	Growth Hormone (GH)
IHC	H3K27me3
IHC	Hairy Cell Leukemia (DBA.44)
IHC	HBME-1
IHC	HCG (β HCG)
IHC	Helicobacter Pylori
IHC	Hemoglobin
IHC	Hepatitis B core antigen
IHC	Hepatitis B surface antigen
IHC	HepPar1 Antigen
IHC	HER2 (Clone 4B5)
IHC	HER2 (Clone SP3)
IHC	HGAL
IHC	HHV8 (Herpes virus 8, human)
IHC	HLA-DR
IHC	HMB-45 (gp100)
IHC	HSV1 & HHV7 (Herpes Simplex 1 and 2)
IHC	Human Placental Lactogen (HPL)
IHC	IDH1, human
IF	IgA
IHC	IgA
IHC	IgD
IF	IgG
IHC	IgG
IHC	IgG4
IF	IgM
IHC	IgM

IHC	IMP3
IHC	Inhibin-Alpha
IHC	INI-1 (SMARCB1)
IHC	INPP4B
IHC	Insulin
ISH	Kappa by ISH
IHC	Kappa Light Chains
IHC	Keratin 5
IHC	Keratin 7
IHC	Keratin 8, low molecular weight (35 β H11)
IHC	Keratin 17
IHC	Keratin 19
IHC	Keratin 20
IHC	Keratins (AE1/AE3)
IHC	Keratins (OSCAR)
IHC	Keratins, high molecular weight (34 β E12)
IHC	Ki-67 Antigen (MIB-1)
IHC	Ki-67 Antigen (SP6)
ISH	Lambda by ISH
IHC	Lambda Light Chains
IHC	Langerin (CD207)
IHC	LEF1
IHC	LMO2
IHC	Leutinizing Hormone (LH)
IHC	Lysozyme
IHC	Macrophage (HAM56)
IHC	Mammaglobin A
IHC	MART-1 Antigen (Melan A)
IHC	Merkel Cell Polyomavirus (MCPyV)
IHC	Mesothelin
IHC	Microphthalmia Transcription Factor (MTF)
IHC	Mitochondria
IHC	MLH1
IHC	MMR (correlates with MSI)
IHC	MNDA
IHC	MOC-31
IHC	MSH2
IHC	MSH6
IHC	MUM1
IHC	Myeloperoxidase
IHC	MyoD1
IHC	Myogenin
IHC	Myoglobin
IHC	NapsinA
IHC	Nestin
IHC	Neu-N
IHC	Neurofilaments (2F11)
IHC	NKX2.2
IHC	NKX3.1
IHC	NUT
IHC	Oct-2
IHC	Oct-3/4
IHC	p16-INK4a
IHC	p40
IHC	p53
IHC	p57-Kip2
IHC	p63
IHC	p75-NTR
IHC	Pancreatic Polypeptide (PP)
IHC	PAP (Prostatic Acid Phosphatase)
IHC	Parvovirus B19
IHC	PAX-5
IHC	PAX-6

IHC	PAX-8
IHC	PD-1
IHC	PD-L1 (clone EIL3N)
IHC	PD-L1 (clone 22C3)*
IHC	PD-L1 (clone 22-8)*
IHC	PD-L1 (clone SP142)*
IHC	PLAP (Placental Alkaline Phosphatase)
IHC	PMS2
IHC	Pneumocystis
IHC	PNL2
IHC	Podoplanin (D2-40)
IHC	Polyomavirus (BK, JV & SV40 viruses)
IHC	Progesterone Receptor (clone PgR 636)
IHC	Prolactin
IHC	Prostate multiplex
IHC	PSA (Prostate Specific Antigen)
IHC	PTEN
IHC	PTH (Parathyroid Hormone)
IHC	ROS1
IHC	RSV (Respiratory Syncytial Virus)
IHC	S-100
IHC	SALL4
IHC	Serotonin
IF	Serum IF*
IHC	SF-1
IHC	SMMHC (smooth muscle myosin heavy chain)
IHC	Smooth muscle actin (clone 1A4)
IHC	Smoothelin
IHC	Somatostatin
IHC	SOX10
IHC	SOX11
IHC	SSTR2
IHC	STAT6
IHC	Synaptophysin
IHC	TCL1
IHC	TCR- β F1
IHC	TcR γ 3.20
IHC	TdT
IHC	TFE3
IHC	Thrombomodulin
IHC	Thymidylate Synthase (TS)
IHC	Thyroglobulin
IHC	Thyroid Stimulating Hormone (TSH)
IHC	TIA-1
IHC	Toxoplasma Gondii
IHC	Transthyretin (Pre Albumin)
IHC	Tryptase
IHC	TTF-1 (thyroid transcription factor 1)
IHC	Type IV Collagen
IHC	Tyrosinase
IHC	Uroplakin
IHC	Varicella Zoster (VZV)
IHC	Villin
IHC	Vimentin
IHC	VIP (vasoactive intestinal polypeptide)
IHC	vWF (Factor VIII related antigen)
IHC	WT-1
IHC	ZAP-70