ORGAN SPECIFIC IHC PANEL MARKERS

PORTAFOLIO OFICIAL & COMBOS EXCLUSIVOS

GUÍA MAESTRA DE BIOMARCADORES & ANTICUERPOS MONOCLONALES PARA INMUNOHISTOQUÍMICA

Portafolio de Clones Primarios GeneAb· Monoclonales de Alta Sensibilidad y Especificidad para Diagnóstico Histopatológico

MAMA (BREAST PATHOLOGY)

Estrogen Receptor (ER)	[IHC423]
Progesterone Rec. (PR)	[IHC751]
Her2 / Neu	[IHC042]
Her3	[IHC113]
Ki-67 Proliferation Index	[IHC067]
GATA3 (Luminal/Ductal)	[IHC583]
Mammaglobin	[IHC619]
GCDFP-15	[IHC015]
TRPS1 (Triple Negative)	[IHC495]
SOX-10 (TNBC / Metast)	[IHC010]
BCA-225	[IHC225]
E-cadherin (Ductal/Lob)	[IHC564]
p120 catenin (Lobular)	[IHC120]
Calponin (Myoepithelial)	[IHC075]
p63 (Myoepithelial)	[IHC063]
p40 (Delta-Np63)	[IHC058]
Cytokeratin 5/6	[IHC556]
Cytokeratin 14	[IHC555]
Cytokeratin 7	[IHC007]
Cytokeratin 8/18	[IHC559]
Androgen Receptor	[IHC511]
FOXA1	[IHC578]
BCL2 Oncoprotein	[IHC514]
CyclinD1	[IHC452]
EGFR	[IHC565]
p53 Tumor Suppressor	[IHC053]
PTEN Phosphatase	[IHC110]
PD-L1 (Checkpoint)	[IHC411]
Survivin	[IHC668]

VEJIGA Y UROTELIO

GATA3 (Urothelial Diff)	[IHC583]
Cytokeratin 7	[IHC007]
Cytokeratin 20	[IHC220]
p63 (Basal / Invasive)	[IHC063]
p40	[IHC058]
p53 (Dysplasia/CIS)	[IHC053]
Cytokeratin (AE1/AE3)	[IHC055]
Ep-CAM	[IHC567]

PULMÓN Y PLEURA (LUNG)

TTF-1 (Thyroid TF-1)	[IHC141]
Napsin A (Adenocarcinoma)	[IHC635]
p40 (Squamous Carcinoma)	[IHC058]
p63	[IHC063]
Cytokeratin 5/6 (Squamous	[IHC556]
Desmoglein-3 (Squamous)	[IHC083]
Calretinin (Mesothelioma)	[IHC523]
WT1 (Mesothelioma)	[IHC685]
Podoplanin / D2-40	[IHC650]
Cytokeratin 7	[IHC007]
Cytokeratin 8/18	[IHC559]
Cytokeratin 19	[IHC019]
Cytokeratin 20	[IHC220]
CEA (Carcinoembryonic)	[IHC543]
BG8, Lewisy	[IHC517]
Chromogranin A (Neuro)	[IHC544]
Chromogranin B (Neuro)	[IHC497]
Synaptophysin (Neuro)	[IHC669]
INSM1 (High Sensitivity)	[IHC608]
CD56 (NCAM / SCLC)	[IHC066]
ROS1 (Lung Target)	[IHC094]
ALK (Lung Translocation)	[IHC509]
NTRK Pan-Trk	[IHC707]
C-Met	[IHC078]
PD-L1	[IHC411]
PD-L1 - Tec	[IHC451]
Vimentin	[IHC684]

CUELLO UTERINO (CERVIX)

p16 INK4A (High-Risk HPV)	[IHC116]
Ki-67 (Dual Staining)	[IHC067]
p40	[IHC058]
p63	[IHC063]
Cytokeratin 7	[IHC007]
CEA	[IHC543]
Topoisomerase IIA (TOP2A)	[IHC112]

COLON Y GASTROINTESTINAL

CDX2 (GI Lineage)	[IHC302]
SATB2 (Lower GI Specific)	[IHC095]
Cytokeratin 20	[IHC220]
Cytokeratin 7	[IHC007]
Cadherin-17 (GI Tract)	[IHC520]
Beta-Catenin (Wnt Nuclei)	[IHC516]
E-cadherin	[IHC564]
CEA	[IHC543]
CA 19-9	[IHC065]
Villin (Brush Border)	[IHC708]
Claudin 18.2 (Gastric Tar	[IHC758]
DOG1 (Anoctamin-1 GIST)	[IHC462]
MUC1/EMA	[IHC623]
MUC2 (Intestinal)	[IHC122]
MUC5AC (Gastric)	[IHC625]
MUC6	[IHC047]
Helicobacter Pylori	[IHC416]
COX-2	[IHC081]
p53 Oncoprotein	[IHC053]

MISMATCH REPAIR (MMR / MSI)

MLH1 (Lynch / MSI Loss)	[IHC409]
MSH2 (Lynch / MSI Loss)	[IHC510]
MSH6 (Lynch / MSI Loss)	[IHC026]
PMS2 (Lynch / MSI Loss)	[IHC422]
BRAFV600E (IHC Clone)	[IHC600]
MGMT (Methylation)	[IHC090]

PÁNCREAS Y VÍA BILIAR

CA 19-9	[IHC065]
Cytokeratin 7	[IHC007]
Cytokeratin 19	[IHC019]
IMP3	[IHC606]
Insulin	[IHC609]

PRÓSTATA Y ANDROLOGÍA

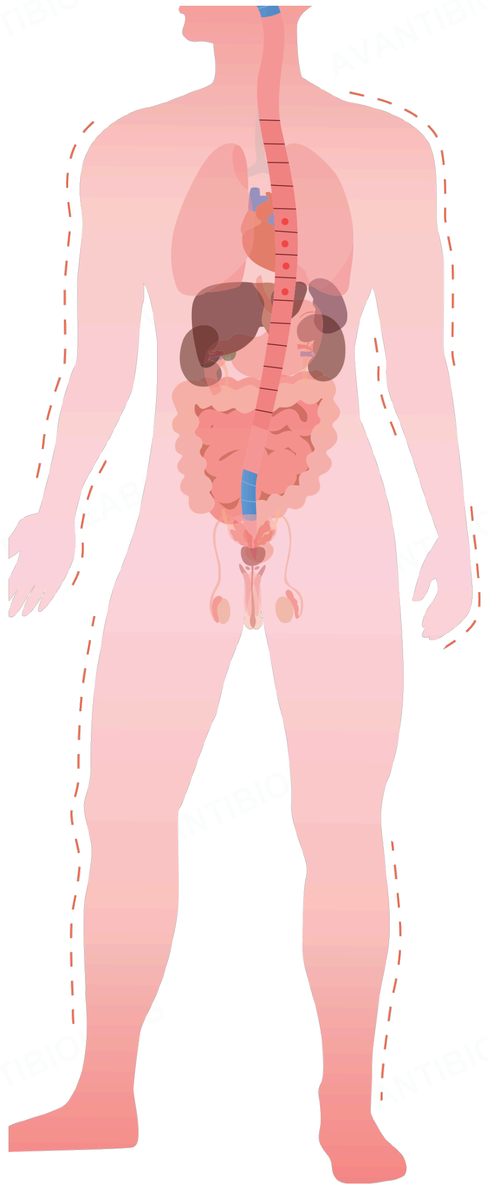
PSA (Prostate Specific)	[IHC654]
PSAP (Acid Phosphatase)	[IHC655]
PSMA (Prostate Membrane)	[IHC720]
p504s / AMACR (Cancer)	[IHC524]
NKX3.1 (Prostate TF)	[IHC640]
ERG (TMPRSS2:ERG)	[IHC569]
p63 (Basal Layer)	[IHC063]
p40	[IHC058]
Cytokeratin 1/5/10/14	[IHC318]
Androgen Receptor	[IHC511]
Ki-67	[IHC067]
Prostate Cocktail	[IHC653]

HÍGADO Y HEPATOCELULAR

Arginase-1 (ARG1 Specific	[IHC118]
Glypican-3 (HCC Marker)	[IHC305]
Hepatocyte Specific (HSA)	[IHC596]
Alpha-Fetoprotein (AFP)	[IHC714]
Glutamine Synthetase	[IHC586]
Beta-Catenin (Nuclear)	[IHC516]
BSEP (Canalicular)	[IHC518]
MDR3 (Canalicular)	[IHC621]
CD10 (Canalicular Pattern	[IHC525]
Cytokeratin 7 (Biliary)	[IHC007]
Cytokeratin 19 (Biliary/C	[IHC019]
LFABP	[IHC496]
HBcAg (Hepatitis B Core)	[IHC205]
HBsAg (Hepatitis B Surf)	[IHC178]

ENDOTELIO Y VASCULAR

CD31 (PECAM-1)	[IHC031]
CD34 (Endothelial/HSC)	[IHC034]
ERG (Endothelial TF)	[IHC569]
Podoplanin / D2-40	[IHC650]
VEGF	[IHC682]
Factor XIIIa	[IHC572]
Flt-1/VEGFR1	[IHC086]



HEMATOLINFOIDE (LINFOMAS B & T)

CD3 (Pan-T Cell)	[IHC534]
CD20 (Pan-B Cell)	[IHC532]
CD19 (B-Cell Core)	[IHC529]
CD79a (Pan-B Lineage)	[IHC209]
PAX-5 (B-Cell Lineage)	[IHC115]
CD4 (Helper T-Cell)	[IHC535]
CD8 (Cytotoxic T-Cell)	[IHC542]
CD5 (CLL / Mantle)	[IHC738]
CD7 (T-Cell Acute)	[IHC541]
CyclinD1 (Mantle Cell)	[IHC452]
SOX-11 (Mantle Cell)	[IHC111]
CD10 (Germinal Center)	[IHC525]
BCL6 (Germinal Center)	[IHC029]
BCL2 (Follicular/DLBCL)	[IHC514]
BCL10 (MALT Lymphoma)	[IHC513]
MUM1 (Post-Germinal)	[IHC627]
c-Myc (Double-Hit)	[IHC448]
CD30 (Hodgkin / ALCL)	[IHC130]
CD15/Leu-M1 (Hodgkin)	[IHC527]
Fascin (Hodgkin RS Cells)	[IHC573]
CD45(LCA) (Leukocyte)	[IHC145]
CD45RA	[IHC536]
CD45RO (Memory T)	[IHC537]
CD43 (T/Myeloid)	[IHC043]
CD138 (Plasma Cell)	[IHC138]
CD38 (Plasma/Myeloma)	[IHC038]
BOB.1 (B-Lineage TF)	[IHC060]
Oct-2 (B-Lineage TF)	[IHC642]
TdT (Lymphoblastic)	[IHC771]
Ki-67	[IHC067]
ALK (ALCL Anaplastic)	[IHC509]
Hairy Cell Leukemia	[IHC687]

MIELOIDE, HISTIOCITOS & INMUNO

CD68 (KP1 Macrophage)	[IHC068]
CD163 (M2 Macrophage)	[IHC163]
CD14 (Monocyte/Macro)	[IHC014]
Macrophage Marker	[IHC618]
Myeloperoxidase (MPO)	[IHC629]
CD56 (NK Cell / SCLC)	[IHC066]
CD57 (NK / Neuroendocrine	[IHC539]
CD16 (Fc-Gamma RIII)	[IHC528]
CD123 (Plasmacytoid)	[IHC123]
CD1a (Langerhans)	[IHC530]
Langerin	[IHC617]
Granzyme B (Cytotoxic)	[IHC588]
Perforin	[IHC646]
TIA-1 (Cytotoxic T/NK)	[IHC675]
Glycophorin A (Erythroid)	[IHC587]
CD61 (Megakaryocyte)	[IHC061]
CD71 (Transferrin Rec)	[IHC071]
Tryptase (Mast Cell)	[IHC678]
Annexin A1 (Hairy Cell)	[IHC512]
ZAP70 (CLL Prognostic)	[IHC070]
FOXP3 (T-Regulatory)	[IHC773]
PD-1 (Immune Exhaustion)	[IHC001]
CTLA-4 (Checkpoint)	[IHC064]
LAG3 (Checkpoint)	[IHC127]
TIM3 (Checkpoint)	[IHC003]
TIGIT (Checkpoint)	[IHC269]

GINECOLOGÍA Y OVARIO

PAX-8 (Müllerian Lineage)	[IHC008]
WT1 (High-Grade Serous)	[IHC685]
CA-125 (Ovarian Marker)	[IHC125]
Cytokeratin 7	[IHC007]
Cytokeratin 20	[IHC220]
Estrogen Receptor	[IHC423]
Progesterone Receptor	[IHC751]
Napsin A (Clear Cell)	[IHC635]
p53	[IHC053]
Inhibin Alpha (Sex Cord)	[IHC607]
Calretinin	[IHC523]
SALL4 (Germ Cell)	[IHC659]
Oct-4 (Pluripotency)	[IHC643]
Nanog (Germ Cell)	[IHC634]
PLAP (Placental Alk Phos)	[IHC088]
hCG (Choriocarcinoma)	[IHC593]

RIÑÓN Y SUPRARRENAL (RENAL)

PAX-8 (Renal Carcinoma)	[IHC008]
RCC Marker	[IHC726]
Carbonic Anhydrase IX (cc	[IHC724]
CD10 (Clear Cell RCC)	[IHC525]
p504s / AMACR (Papillary)	[IHC524]
Cytokeratin 7 (Chromophob	[IHC007]
ERCC1 (RCC Prognostic)	[IHC568]
TFE3 (Xp11.2 Transloc)	[IHC108]
WT1 (Wilms Tumor)	[IHC685]
Inhibin Alpha (Adrenal)	[IHC607]
Synaptophysin (Adrenal)	[IHC669]
Vimentin	[IHC684]
C4d (Humoral Rejection)	[IHC519]
ksp-cadherin	[IHC611]

PIEL Y MELANOMA (SKIN)

SOX-10 (Melanocytic)	[IHC010]
S-100 Protein	[IHC100]
MART-1 (Melan-A)	[IHC418]
HMB-45 (Gp100 Melanosome)	[IHC602]
PRAME (Melanoma Margin)	[IHC092]
KBA.62 (Melanoma Ag)	[IHC062]
Ep-CAM (BCC vs SCC)	[IHC567]
Cytokeratin 5/6	[IHC556]
Cytokeratin 10	[IHC135]
p40 (Squamous Skin)	[IHC058]
p63	[IHC063]
NGFR (Desmoplastic Mel)	[IHC637]
CD34 (DFSP Dermatofib)	[IHC034]

TIROIDES Y CUELLO

Thyroglobulin	[IHC674]
TTF-1	[IHC141]
PAX-8	[IHC008]
Calcitonin (Medullary)	[IHC521]
Galectin-3	[IHC581]
Parathyroid Hormone (PTH)	[IHC206]
TSH Receptor	[IHC679]

NEUROENDOCRINO Y SNC

Synaptophysin	[IHC669]
Chromogranin A	[IHC544]
INSM1 (Neuroendocrine)	[IHC608]
CD56 (NCAM)	[IHC066]
GFAP (Astrocytic/Glial)	[IHC484]
IDH1 R132H (Glioma)	[IHC132]
ATRX (Loss in Astrocyt)	[IHC703]
Olig-2 (Oligodendroglioma	[IHC643]
NeuN (Neuronal Nuclei)	[IHC717]
Neurofilament (Axons)	[IHC639]
Nestin (Neural Stem Cell)	[IHC105]
PGP 9.5	[IHC647]
ACTH (Pituitary)	[IHC503]
Growth Hormone (GH)	[IHC589]
Prolactin	[IHC652]

PARTES BLANDAS (SARCOMAS)

Desmin (Myogenic Lineage)	[IHC561]
Actin, Smooth Muscle	[IHC506]
Actin, Muscle Specific	[IHC505]
MyoD1 (Rhabdomyosarcoma)	[IHC630]
Myogenin (Rhabdomyo)	[IHC631]
Myoglobin	[IHC632]
Caldesmon (Smooth Muscle)	[IHC522]
CD34 (Solitary Fibrous)	[IHC034]
STAT6 (Solitary Fibrous)	[IHC107]
MDM2 (Liposarcoma)	[IHC620]
CDK4 (Liposarcoma)	[IHC077]
S-100 (Schwannoma)	[IHC100]
SOX-10 (Schwannian)	[IHC010]
Beta-Catenin (Fibromatosi	[IHC516]
SS18-SSX (Synovial)	[IHC799]
INI-1 (Rhabdoid Loss)	[IHC608]

ALGORITMO DIAGNÓSTICO: CARCINOMA DE ORIGEN DESCONOCIDO (CUP) - PERFIL CK7 & CK20

CK7 (+) / CK20 (+)

Carcinoma Urotelial (GATA3+), Adenocarcinoma de Páncreas (CA19-9+),
Vía Biliar / Colangiocarcinoma, Adenocarcinoma Mucinoso de Ovario.
Clones GeneAb· recomendados: CK7 [IHC007] · CK20 [IHC220] · GATA3 [IHC583] · CA 19-9 [IHC065]

CK7 (+) / CK20 (-)

Mama (GATA3+, ER/PR+), Pulmón no microcítico / Adeno (TTF-1+, Napsin A+),
Tiroides (TTF-1+, PAX8+), Endometrio / Cérvix (p16+), Ovario Seroso (WT1+).
Clones GeneAb· recomendados: TTF-1 [IHC141] · Napsin A [IHC635] · GATA3 [IHC583] · PAX-8 [IHC008] · WT1 [IHC685]

CK7 (-) / CK20 (+)

Colorrectal (CDX2+, SATB2+, Beta-Catenina nuclear+),
Carcinoma de Células de Merkel de Piel (Dot perinuclear CK20+, Neurofilamento+).
Clones GeneAb· recomendados: CDX2 [IHC302] · SATB2 [IHC095] · Beta-Catenin [IHC516] · Neurofilament [IHC639]

CK7 (-) / CK20 (-)

Próstata (PSA+, PSMA+, NKX3.1+), Carcinoma Renal / ccRCC (RCC+, CAIX+),
Hepatocarcinoma / HCC (Arginasa-1+, HepPar-1+, Glypican-3+), Neuroendocrino (INSM1+).
Clones GeneAb· recomendados: PSA [IHC654] · NKX3.1 [IHC640] · ARG1 [IHC118] · Glypican-3 [IHC305] · CAIX [IHC724]

PAUTAS TÉCNICAS: RECUPERACIÓN ANTIGÉNICA (HIER) & AUTOMATIZACIÓN

· **Recuperación Térmica (HIER) Óptima:**
La línea GeneAb· está estandarizada para desenmascaramiento antigénico con:
· Tampón EDTA / Tris-EDTA pH 9.0 para marcadores nucleares (ER, PR, Ki-67, TTF-1, p40, GATA3).
· Tampón Citrato pH 6.0 para marcadores de membrana sensibles (Her2, EGFR, CD30, Desmina).

· **Validación en Plataformas Automatizadas:**
Clones 100% compatibles y calibrados con protocolos validados para:
· Leica Bond-MAX® y Bond III® (Protocolos de recuperación ER1 / ER2 y detección Polymer Refine).
· Ventana BenchMark ULTRA® (Desparafinación EZ Prep y recuperación Cell Conditioning CC1).

· **Detección & Sensibilidad Libre de Biotina:**
Se recomienda el empleo de sistemas de polímero micropoli-HRP directo (libre de avidina-biotina) para suprimir reactividad de fondo inespecífica en tejidos con biotina endógena (hígado, riñón, cerebro).

· **Formatos Disponibles en Avanti Biolabs:**
Concentrados de alta titulación (1:50 a 1:200) y formatos Listos para Usar (RTU de 7 mL) con controles de tejido validados y certificados de análisis (CoA) por lote de fabricación.

REPRESENTANTE OFICIAL

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