

TMP RHCL Antibody Panel

MARKER	CLONE	VENDOR	COMMENTS
ACSL3		Thermo Scientific(cat#PA5-29507)	
AFP		DAKO(cat#A008)	
AKT(pan) phospho T308		abcam(cat#ab38449)	
ALDH	44/ALDH	BD Biosciences (cat#611950)	
AR (Nuclear Receptor)	D6F11	Cell Signaling Technology(cat#5153)	
aSMA		abcam(cat#ad5694)	
Aurora			
ATM	[Y170]	abcam(ab32420)	
BRG1	EPR3912	abcam/Epitomics(cat#ab108318)	
B7-H3 (CD276)	D9M2L	Cell Signaling Technology (cat#14058)	
B7-H4 (VTCN1)	D1M8I	Cell Signaling Technology (cat#14572)	
CD20	L-26	DAKO(cat# MO75529)	
CD21	2G9	Leica Microsystems (cat# CD21-2G9-L-CE)	
CD3		DAKO(cat#A0452)	
CD31	/BC2	abcam (cat#)124432/Biocare (cat#CRM347)	Abcam(Ms) Biocare(Hu)
CD4	4B12	Novocastra (cat# CD4-368-L-CE)	(Hu)
CD45 RO	UCHL1	Leica Microsystems(cat# PA0146)	(Hu)
CD57 (Leu-7)	HNK-1	BD Biosciences (cat# 347390)	
CD68	PG-M1	DAKO(cat#MO876)	
CD8	C8/144B	Thermo Scientific cat# MS-457s	
CD56 (NCAM)	123C3	DAKO(cat#M7304)	
CDC2 (phospho Tyr15)	EPR7875	Millipore (MABE#542)	
Calretinin	DAK-Calret 1	DAKO(cat#M7245)	
CDK1/CDC(Tyr15)		LSBio (LS-B1180/77324)	
CDX2		Novus Biologicals(cat# NB100-2136)	
Caspase-3	E87	abcam(cat#ab32351)	
CerbB-2 (HER-2)	e2-4001	Thermo Scientific(cat#MS-325-P)	CerbB-2 Ab-8
Chromogranin A	LK2H10	Chemicon(cat#MAB5268)	
Chromogranin A	DAK-A3	DAKO(cat#M0869)	
Cytokeratin (CAM5.2)	CAM 5.2	BD Biosciences(cat#347653)	
Cytokeratin 5/6	EP24/EP67	LSBio(cat#LS-C312225)	PDXs
CD30	Ber-H2	DAKO(cat#M0751)	
Calretinin	DAK-Calret 1	DAKO(cat#M7245)	
CD31		abcam(cat# ab)Hu	Ms(Abcam, cat#124432)
CD45		abcam(cat#ab10558)	
CD45 LCA	2B11 + PD7/26	Dako(cat#M0701)	
Chromogranin A	LK2H10	Chemicon(cat#MAB5268)	Hu, Mk, Por
Chromogranin A	DAK-A3	DAKO(cat#M0869)	
c-myc	Y69	abcam(cat#ab32072)	
CP110		Santa Cruz(cat#sc-136629)	
Cytokeratin 7	OV-TL 12/30	DAKO(cat#M7018)	
Cytokeratin AE1/AE3	AE1-AE3	DAKO(cat#M3515)	
CD10	56C6	DAKO(cat#M7308)	
CD117		DAKO(cat#A4502)	
CD15	Carb-1	Leica Biosystem(cat#PA0039)	
CD38	SP149	Spring Bio(cat#M4490)	
CD38	SPC32	Novocastra(cat#NCL-L-CD38-290)	
CD56 (NCAM)	123C3	DAKO(cat#M7304)	
CDK9	C12F7	Cell Signaling(cat#2316)	

Cleaved Caspase-3 (Asp175)	D3E9	Cell Signaling Technology(cat#9579)	cat# 8104 slides
Collagen I		abcam(cat#ab34710)	
Collagen III		abcam(cat#ab7778)	
CPS1		Sigma Aldrich(cat# HPA021400)	
CRMP5	[ERP13127 (B)]	abcam(cat#ab176331)	
CXCR4	[UMB2]	abcam(cat# ab124824)	
Cytokeratin (CAM5.2)	CAM 5.2	BD Biosciences(cat#347653)	
DEAR1		Home Made	Killary Lab
Desmocollin 3	Dsc3-U114	PROGEN Biotechnik(cat# 61093)	
Desmocollin 3	Dsc3-U114	PROGEN Biotechnik(cat# 61093)	
E-Cadherin	24E10	Cell Signaling(cat#3195)	
E-Cadherin	NCH-38	DAKO(cat#IS059)	
ER (Estrogen Receptor)	6F11	Leica Biosystems(cat#NCL-L-ER-6F11)	
ENO1	[EPR10863(B)]	abcam(CAT#AB155102)	
EZH2	6A10	Novocastra(CAT#NCL-L-EZH2)	
F4/80	SP115	abcam(cat#111101)	
FKBP10		Proteintech(cat#12172-1-AP)	
FOXA1		abcam(CAT#AB23738)	
FOXP3	206D	BioLegend(cat# 320102)	
gamma H2A.X	3F2	abcam (ab22551)	
Granzyme B	11F1	Leica Microsystems(cat#PA0291)	
G0S2 (N-13)		Santa Cruz(cat# sc-133424)	
G0S2 (N-13)		Santa Cruz(cat# sc-133424)(cat# sc-133424P)	
Glypican-3	1G12	BIOCARE(CAT#CM3960)	
Histone (H3) phosho		Cell Signalling (#9701)	
HTR2B		Sigma (HPA012867)	
ICOS	D1K2T™	Cell Signaling(cat#89601)	
IDO-1	SP260	Spring Bioscience(cat# M5600)	
IQGAP1		abcam(cat# ab109292)	
Interleukin-6	10C12	Novocastra(cat# NCL-L-IL6)	
Kappa		Leica (cat#KAP-581-L-CE)	
Lambda		Leica (KAP-581-L-CE)	
Keratin 5/6	D5/16B 4	DAKO(cat#M7237)	
Keratin 5/6	D5/16B 4	DAKO(cat#M7237)	
Ki-67 (MIB1)	MIB-1	DAKO(cat# M7240)	Hu
Ki-67	D2H10	Cell Signaling(cat# 9027)	Hu
KDM3B (JMJD1B)	C6D12	Cell Signaling Technology(cat#3100)	
LEF1	[EPR2029Y]	abcam(cat#ab137872)	
LKB1 IHC formulated	D60C5F10	Cell Signaling Technology(cat# 13031)	cat# 13752 control slides
LAG3	D2G4O™	Cell Signaling(cat#15372 ab)	cat#13747(slidees)
MASH1	24B72D11.1	BD Pharmingen(cat#556604)	
MDR1	E1Y7S	Cell Signaling(cat#13978)	
Met	D1C2	Cell Signaling(cat#8198)	
mTTF-1	EPR5955(2)	abcam (Epitomics)(cat#ab133737)	PDXs
mouseKi-67 (D3B5)	D3B5	Cell Signaling Technology(cat#12202)	PDXs
Napsin A	IP64	Leica Biosystems(cat#NCL-L-NapsinA)	
Napsin A	IP64	Leica Biosystems(cat#NCL-L-NapsinA)	
Napsin A	EPR6252	abcam (Epitomics)(cat#ab133249)	PDXs
N-Cadherin	D4R1H	Cell Signaling(cat# 13116)	
N-Cadherin	IAR06	Leica Biosystem(cat# NCL-L-N-Cad)	
NCAM (CD56)	EP2567Y	abcam (Epitomics)(cat#ab75813)	PDXs
NQO1	A180	Cell Signaling(cat#3187)	

OCT3/4	N1NK	Novocastra(cat#NCL-L-OCT3/4)	
OX40	ACT-35	eBioscience(cat#14-1347-82)	
PAN-CYTOKERATIN		abcam(cat#ab86734)	all vertebrate species
PARP		Thermo(cat#RB-1516-P)	
PAX5	D7H5X	Cell Signaling(cat#12709)	
PAX8		Proteintech(cat# 10336-1-AP)	
Paxillin	[Y113]	abcam(cat#ab32084)	
PCDH7	2G6	abcam(cat#ab139274)	
PCMB8 (LMP7)		abcam(cat#ab58094)	
PCMB9 (LMP2)		abcam(cat#ab3328)	
PD-L1	405.9A11	Cell Signaling (cat #29122)	
PD-L1	[28-8]	abcam (cat#ab205921)	
PD-L1	E1L3N	Cell Signaling (cat#13684)	
PD-L1	EPR1161(2)	abcam (cat#ab174838)	
PD-L1	SP142	Spring (cat#M4420)	
PD-L1	SP263	VENTANA (cat#790-4905)	
PD-1	EPR4877(2)	Abcam(cat# ab137132)	
PD-L1 22C3	22C3	DAKO (cat#M365329-2)	
PD-L1 22C3	22C3	DAKO	
PD-L1 ECD	E1J2J	Cell Signaling (cat#15165)	
p40		Calbiochem(cat#PC373)	
p40		BIOCARE ACI3030	
p40		BIOCARE ACI 3030	PDXs
p40		Calbiochem(cat#PC373)	
p40		BIOCARE ACI 3030	
Podoplanin (D2-40)	D2-40	DAKO(cat#M361901-2)	
Podoplanin (D2-40)	D2-40	DAKO(cat#M361901-2)	
PTEN	D4.3	Cell Signaling(cat#9188)	
PTEN	D4.3	Cell Signaling(cat#9188)	
Phospho-YAP	D9W2I	Cell Signaling(cat#13008)	
p21waf1/cip1	SX118	DAKO(CAT#M720229)	
P27kip1	SX53G8	DAKO (cat#M720301-2)	
PEA-15 C-terminal		abcam(cat#ab135694)	
PGD	[EPR6565]	abcam(cat#ab129199)	
p-HH2AX (Ser139)	20E3	Cell Signaling(cat#9718)	
PKM1	D30G6	Cell Signaling(cat#7067)	
PKM2	D78A4	Cell Signaling(cat#4053)	
PLAP	8A9	DAKO(cat#M7191)	
PPARgamma (E-8)	E-8	Santa Cruz(cat#sc-7273)	
RBM10		SIGMA(cat#HPA034972)	
S100		Cell Signalling (cat#34425)	Hu
SALL4		VENTANA (cat#760-4864)	Roche
SLFN11		SIGMA(cat#HPA023030)	
SRGN		SIGMA(cat#HPA000759)	
Synaptophysin	SP11	Spring(cat#M3112)	PDXs
Sox2	D6D9	Cell Signaling(cat# 3579)	
Sox2	D6D9	Cell Signaling(cat# 3579)	
Synaptophysin	DAK-SYNAP	DAKO(cat#M7315)	
Synaptophysin	DAK-SYNAP	DAKO(cat#M7315)	
Synaptophysin	SY38	DAKO(cat#M077601-2)	
Synaptophysin	SY38	DAKO(cat#M077601-2)	
TIM-3	D5D5R	Cell Signaling(cat#45208)	

TTF1	8G7G3/1	DAKO(cat#M3575)	
TTF1	8G7G3/1	DAKO(cat#M3575)	
TTF-1	SPT24	Novocastra(cat#TTF-1-L-CE)	
TTF-1	SPT24	Novocastra(cat#TTF-1-L-CE)	
Thy-1	D3V8A	Cell Signaling(cat#13801)	
UBP43-139		Home made, Dimitrovsky Lab	
VISTA	D1L2G	Cell Signaling(cat#64953)	
Vimentin	D21H3	Cell Signaling(cat#5741)	
WT-1	6F-H2	DAKO(cat#M3561)	
WT-1	6F-H2	DAKO(cat#M3561)	
YAP	D8H1X	Cell Signaling(cat#14074)	
ZEB1		Novus Biologicals(cat# NBP1-88845SS)	0