



FIND IT[®] Cancer Hotspot Panel Gene List

Information for Medical Specialists

Gene	Mutation	Clinical presentation			
		NSCLC focused	Melanoma focused	Colorectal focused	Any solid tumour
AKT1	E17				✓
ALK [^]	T1151, L1152, C1156, F1174, L1196, L1198, G1202, D1203, S1206, G1269, R1275				✓
AR	V716, S741, W742, H875, F877, T878				✓
BRAF	Q201, G466, F468, G469, Y472, D594, G596, L597, V600, K601	✓	✓	✓	✓
CTNNB1	D32, S33, G34, S37, T41, S45				✓
DDR2	L239, I638, S768				✓
EGFR	Exons: 18, 19, 20, 21	✓			✓
ERBB2	G309, S310, L755, Exon: 20	✓			✓
ESR1	K303, S463, V534, P535, L536, Y537, D538				✓
FGFR1	N546, K656				✓
FGFR2	S252, P253, N549, K659				✓
GNA11	Q209				✓
GNAQ	Q209				✓
GNAS	R201				✓
HRAS	G12, G13, Q61				✓
IDH1	R132				✓
IDH2	R140, R172				✓
JAK1	V658, S703				✓
KIT	T670, D816, D820, N822, Y823, A829, Exons: 9, 11, 13		✓		✓
KRAS	G12, G13, A59, Q61, K117, A146	✓		✓	✓
MAP2K1 (MEK1)	Q56, K57, K59, D67, P387				✓
MAP2K2 (MEK2)	F57, Q60, K61, L119				✓
MET	Y1253, Exons: 13, 14+25, 14-50, 18, 14				✓
NRAS	G12, G13, A59, Q61, K117, A146		✓	✓	✓
PDGFRA	D842, L839-Y849, N659, R560-E571				✓
PIK3CA	R88, E542, E545, Q546, D549, M1043, N1044, A1046, H1047, G1049			✓	✓
PTCH1	W844, G1093				✓
PTEN	I122_M134, K254_K267, R130, R173, S170_Y188, Y225_F243				✓
RET	C634, V804, M918				✓
ROS1*	L2026, G2032				✓
SMO	D473, S533, W535				✓
STK11	Q37, P281				✓
TP53	R158, R175, R213, Y220, G245, R248, R273, R282, Exons: 4, 5, 6, 7, 8, 9				✓

Information contained within the above table v3.4 is correct at time of printing (May 2018).

[^] ALK IHC is completed for all NSCLC samples in parallel with gene panel testing, to detect ALK over-expression. If over-expression is detected, subsequent ALK rearrangement FISH can then be performed. ALK testing within the FIND IT panel is to detect the listed hotspot mutations.

* ROS1 rearrangement FISH is available on request.