

Turn around time
4 Working Days

Covering FDA-approved, NCCN -
and ESMO - recommended
clinically actionable biomarkers

Easy-to-read report with variant tier
classification adapted from
AMP/ASCO/CAP recommendation

APEX Tissue

A 58-gene, targeted Next-Generation Sequencing (NGS) panel for personalized treatment selection in key cancer types

KEY FEATURES:

- Evaluates sensitizing and resistant genomic alterations
- Incorporates both DNA and RNA sequencing
- Report tailored to actionable biomarkers specific to solid tumor types
- Evidence-based personalized treatment recommendations curated by variant interpretation scientists
- Suitable for newly diagnosed and relapsed patients

CANCER TYPE	ASSOCIATED GENES
Lung	ALK, BRAF, EGFR, ERBB2, KEAP1, KRAS, MET, NRG1, NTRK1/2/3, ROS1, RET, SMARCA4, STK11
Breast	AKT1, BRAF, CDK4, CDKN2A, EGFR, ERBB2, ESR1, FGFR1, MAP2K1, MTOR, NTRK1/2/3, PIK3CA, PTEN, RB1, RET
Colorectal	ALK, BRAF, ERBB2, FGFR1, KRAS, NRAS, NTRK1/2/3, PIK3CA, POLE, PTEN, RET, ROS1
GIST	BRAF, ERBB2, FGFR1, KIT, NTRK1/2/3, PDGFRA, RET
Cholangiocarcinoma / Biliary / Gallbladder	BRAF, ERBB2, FGFR2, IDH1, KRAS, MET, NTRK1/2/3, PIK3CA, RET
Melanoma	BRAF, ERBB2, HRAS, KIT, KRAS, NRAS, MAP2K1, NTRK1/2/3, RET
Pancreas	ALK, BRAF, CDKN2A, EGFR, ERBB2, FGFR1/2/3, KRAS, MET, NRG1, NTRK1/2/3, RET, ROS1
Thyroid	ALK, BRAF, CDKN2A, EGFR, ERBB2, FGFR2, HRAS, KIT, KRAS, NRAS, NTRK1/2/3, PIK3CA, RET, ROS1, STK11
Endometrial	ALK, BRAF, CDK4, ERBB2, ESR1, FGFR2, KRAS, NTRK1/2/3, PIK3CA, POLE, PTEN, RET, SMARCA4
Small Bowel	BRAF, ERBB2, KRAS, NTRK1/2/3, POLE, RET
Stomach / Gastric	BRAF, EGFR, ERBB2, MET, NTRK1/2/3, RET
Bladder / Urothelial	BRAF, ERBB2, FGFR3, NTRK1/2/3, RET
CNS / Brain	BRAF, ERBB2, H3-3A, IDH1, IDH2, NTRK1/2/3, RET, TERT

GENE LIST (58 GENES)

■ Amplifications

● Fusions

◆ SNVs/InDels

AKT1 ◆	CHEK2 ◆	FGFR4 ◆	KIT ◆	NTRK2 ●◆	RSPO2 ●
AKT2 ◆	CTNNB1 ◆	FLT3 ◆	KEAP1 ◆	NTRK3 ●◆	RSPO3 ●
AKT3 ◆	EGFR ■●◆	FOXL2 ◆	KRAS ■◆	NUTM1 ●	SMO ◆
ALK ■●◆	ERBB2 ■◆	GNA11 ◆	MAP2K1 ◆	PDGFRA ◆	SMARCA4 ◆
AR ■●◆	ERBB3 ■◆	GNAQ ◆	MAP2K2 ◆	PIK3CA ■◆	STK11 ◆
ARAF ◆	ERBB4 ◆	GNAS ◆	MET ■●◆	PTEN ■◆	POLE ◆
BRAF ●◆	ESR1 ●◆	H3-3A ◆	MTOR ◆	RAF1 ◆	TERT ◆
CD274 ■	FGFR1 ■●◆	HRAS ◆	NRAS ◆	RB1 ◆	TP53 ◆
CDK4 ◆	FGFR2 ■●◆	IDH1 ◆	NRG1 ●	RET ●◆	
CDKN2A ■◆	FGFR3 ●◆	IDH2 ◆	NTRK1 ●◆	ROS1 ●◆	