

# Theralink Assay

## Receptor Tyrosine Kinases

ALK Y1604  
EGFR T654  
EGFR T1068  
FGFR Y653.Y654  
HER2  
HER2 Y1248  
HER3 Y1289  
c-Met Y1234.Y1235  
PDGFR  $\beta$  Y751  
Ret Y905  
Ros1 Y2274  
VEGFR2 Y951

## Chemotherapy Indicators

ERCC1  
MGMT  
RRM1  
TOPO1  
 $\beta$ -Tubulin

## DNA Damage Response

ATM S1981  
ATR S428  
 $\gamma$ H2AX S139

## Hormone Receptors

Androgen Receptor  
Androgen Receptor splice variant 7 (Ar-V7)

## Immune Checkpoint

PD1  
PDL1

## Proliferation Marker

Ki-67

## Cellular Tyrosine Kinase

Src Y416

## Signal Transduction Pathways

### AKT-mTOR Signaling

AKT T308  
AKT S473  
mTORC1 S2448  
4E-BP1 S65  
rpS6 S235.S236

### CDK Signaling

FoxM1 T600  
Rb S780

### Integrin Signaling

Paxillin Y118

### JAK/STAT Signaling

JAK2 Y1007.Y1008  
STAT3 Y705

### MAPK Signaling

MEK1/2 S217.S221  
ERK1/2 T202.Y204