

Theralink® Assay Version 1.0

Receptor Tyrosine Kinases

EGFR Tyrosine 1068
EGFR Threonine 654
HER2
HER2 Tyrosine 1248
HER3 Tyrosine 1289
ALK Tyrosine 1604
Ret Tyrosine 905
c-Met Tyrosine 1234/1235
FLK1 (VEGFR2) Tyrosine 951
Ros1 Tyrosine 2274
PDGFR Beta Tyrosine 751
FGFR Tyrosine 653/654

Signal Transduction Pathways

MAPK Pathway

Mek 1/2 Serine 217/221
Erk 1/2 Threonine 202/Tyrosine 204

AKT-mTOR Pathway

Akt Serine 473
Akt Threonine 308
mTORC1 Serine 2448
4E.BP1 Serine 65
S6 Ribo. Protein Serine 235/236

JAK/STAT Pathway

JAK2 Tyrosine 1007/1008
STAT3 Tyrosine 705

CDK Signaling Pathway

24. Rb Serine 780
FoxM1 Threonine 600

Integrin Signaling Pathway

Paxillin Tyrosine 118

Hormone Receptor

Androgen Receptor (AR)

DDR pathways

H2AX Serine 139
Serine 1981
ATR Serine 428

Immune Checkpoint

PDL1
PD1

Chemotherapy

ERCC1
RRMI
TOPO1
TUBB3

Cellular Tyrosine Kinases

Src Tyrosine 416

Proliferative

Ki67