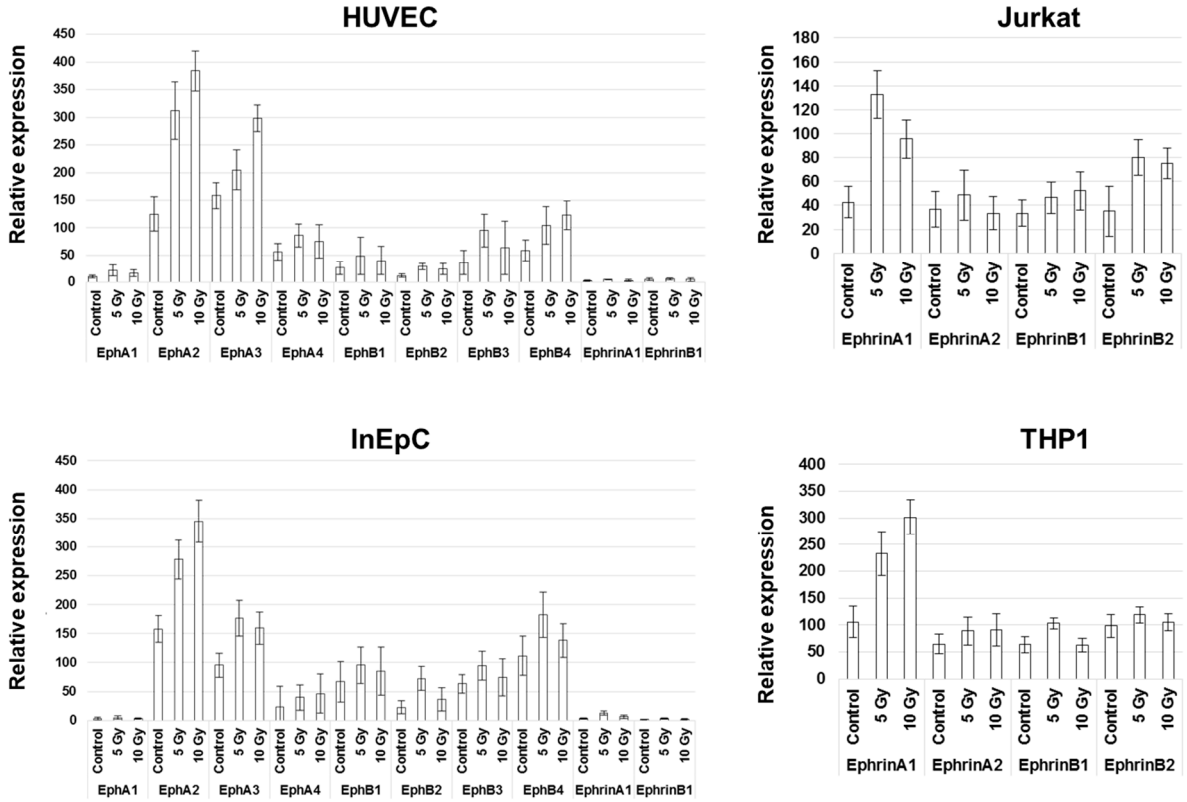
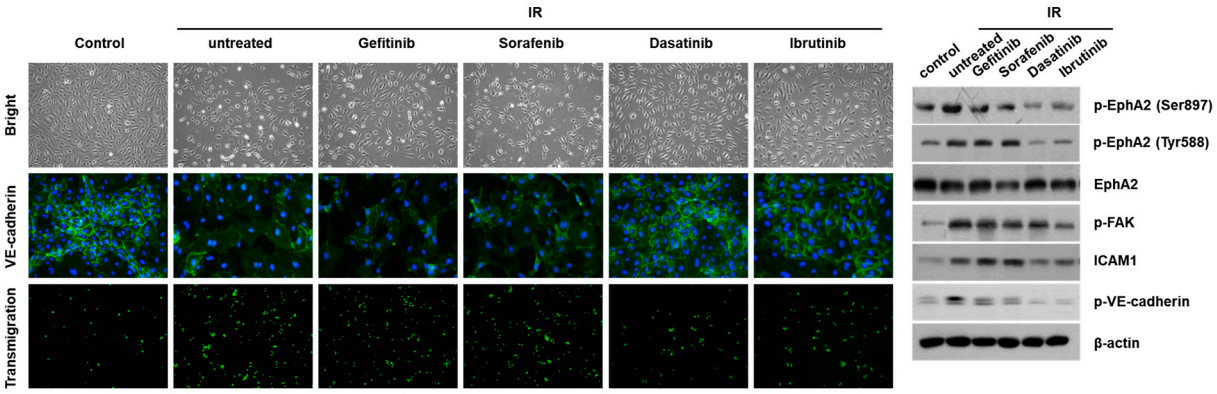
Supplementary data1



Supplementary Data 1

HUVECs, InEpCs, Jurkat cells, and THP1 cells were exposed to IR at doses of 5 Gy and 10 Gy. After 24 hours, the expression levels of Eph receptors and ephrin ligands were analyzed in these cells using qPCR.

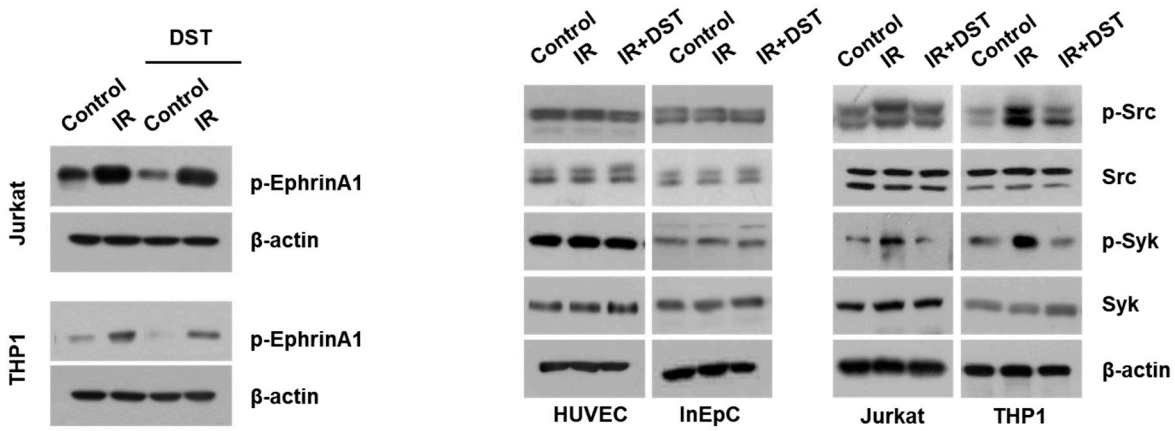
Supplementary Data 2



Supplementary Data 2

HUVECs were exposed to IR at a dose of 5 Gy and then incubated with the indicated tyrosine kinase inhibitors for 24 hours. Representative images show the morphology (Bright), VE-cadherin expression, and adhesion to CFSE-labeled THP1 cells (Transmigration). The expression of p-EphA2 (Tyr588 and Ser897), EphA2, p-FAK, ICAM1, p-VE-cadherin, and β-actin were measured by western blotting analysis.

Supplementary Data 3



Supplementary Data 3

HUVECs, InEpCs, Jurkat cells, and THP1 cells were exposed to radiation (5 Gy) and dasatinib (500nM) for 24 hours. p-EphrinA1 expression was determined by western blotting. β-actin was used as a protein loading control (left panel). Expression levels of p-Src, Src, p-Syk, Syk, and β-actin were measured by western blotting (right panel).

Supplementary Table 1. qPCR primers for measurement of gene expression

Gene name	Forward Primer	Reverse Primer
EphA1	ATCTTTGGGCTGCTGCTTGG	GCTTGTCCTCTCGATCCACATC
EphA2	CCCGAGTGTCCATTCGGCTAC	TCACTTGGTCTTTGAGTCCCAG
EphA3	AGTCTGAAGATCATCACAAGC	CACATCCTTCCAGTACTTTACAC
EphA4	AGTTCCAGACCGAACACAGCCTTG	GCCATGCATCTGCTGCATCTG
EphB1	ACCATCACCGCTGTGCCTTCC	TTCTCATGCCATTACCGACGGTGA
EphB2	CACTACTGGACCGCACGATAC	TCTACCGACTGGATCTGGTCCA
EphB3	CAGTGCCCCATCTGGCATGT	CTTAGCAGATCTTCTGCAGTCA
EphB4	TACGTCTCTAACCTCCCATCT	GCTGGTCACCCTTTCTCTTT
EphrinA1	CCAACATTACGAGGACGACTCT	GGGCTCGCATGTCACATACTC
EphrinA2	AGTCTACTGGAACCGCAGCAA	TAGCCGCCGCCATCAC
EphrinB1	CGTAACGCCTGAGCAGTTGA	AGCCTGTGTGGCTGTCTTGAC
EphrinB2	CCTACAGAGCACATGGAAACGA	GCCAGAGAGATCCCATCAATTC