

Figure S1. The flow chart illustration for the design of animal study.

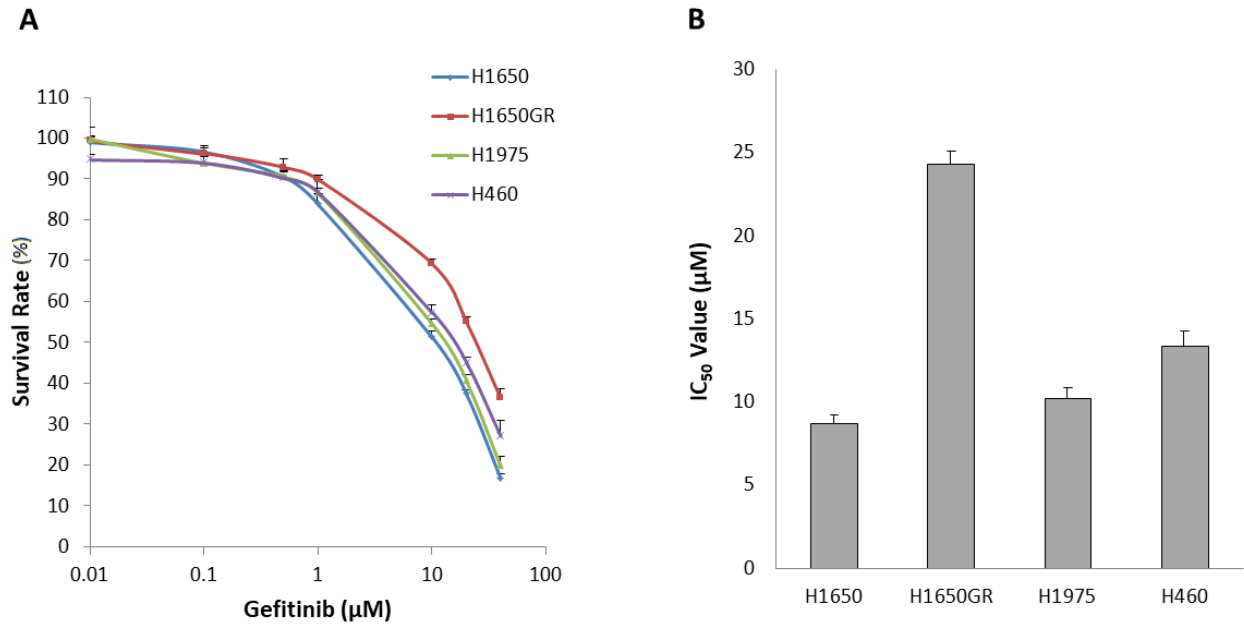


Figure S2. The cytotoxic effects of gefitinib in H1650, H1650GR, H1975 and H460 cell lines. (A) Cell survival rate under different concentrations of gefitinib. (B) Detected IC₅₀ values in the four cell lines.

Table S1. The summary for the activation status of EGFR, IGF1R and MET signaling pathways in the H1650, H1650GR, H1975 and H460 cell lines.

Cell line	IC ₅₀ gefitinib (μM)	Gefitinib effects		Gene status			TKR status of activation with gefitinib		
		p-AKT	p-Erk	EGFR	PI3KCA	K-ras	EGFR	IGF1R	Met
H1650	8.7	Blocked	Blocked	Mut(DelE746-A750)	Wt	Wt	Blocked	Not active	Not active
H1650GR	24.4	Active	Blocked	Mut(DelE746-A750)	Wt	Wt	Blocked	Active	Not active
H1975	10.2	Active	Active	Mut(L858R+T790M)	Mut(G118D)	Wt	Active	Active	Not active
H460	13.4	Active	Less active	Wt	Mut(E545K)	Mut(Q61H)	Blocked	Not active	Active