

Supplementary Tables

Supplementary Table S1. Primary antibodies for Western blot analysis

Supplementary Table S2. Primary antibodies for immunohistochemistry analysis

Supplementary Table S3. Primary antibodies for Flow Cytometry analysis

Supplementary Table S4. Chemical agents and their target

Supplementary Table S1. Primary antibodies for Western blot analysis

Primary antibodies	Supplier	Species	Catalog Number
Phospho-Erk	Cell signaling technology	Rabbit	4376
Total-Erk	Cell signaling technology	Rabbit	5013
Phospho-Stat3	Cell signaling technology	Rabbit	9145
Total-Stat3	Cell signaling technology	Mouse	9139
Phospho-EGFR	Cell signaling technology	Rabbit	3777
Total-EGFR	Millipore	Rabbit	06-847
Phospho-TACE	Abcam	Rabbit	ab182630
Total-TCAE	Millipore	Rabbit	ab19027
Actin	Cell signaling technology	Mouse	3700
Tubulin	Cell signaling technology	Rabbit	5666

Supplementary Table S2. Primary antibodies for immunohistochemistry analysis

Primary antibodies	Supplier	Species	Catalog Number
Phospho-Erk	Cell signaling technology	Rabbit	4376
Phospho-Stat3	Cell signaling technology	Rabbit	9145
Ki67	Abcam	Rabbit	ab15580
Cytokeratin19	Abcam	Rabbit	ab15463
Collagen 1	Rockland	Rabbit	600-401-D19
pEGFR	Cell signaling technology	Rabbit	3777

Supplementary Table S3. Primary antibodies for Flow Cytometry analysis

Primary antibodies	Supplier	Species	Catalog Number
anti-CD45 conjugated to microbeads	Miltenyi Biotec	Mouse	130-052-301
EpCAM-FITC conjugated	Biolegend	Mouse	118210
CD24-PE conjugated	Biolegend	Mouse	138503
CD44-eFluor450 conjugated	Biolegend	Mouse	103039
CD133-APC conjugated	Biolegend	Mouse	141208

Supplementary Table S4. Chemical agents and their target

Chemical agents	Supplier	Target
AZD1480	AstraZeneca	JAK2
AZD6244	AstraZeneca	MEK1/2
MEK162	Novartis	MEK1/2
Stattic	Calbiochem	STAT3
U0126	Selleck Chemicals	MEK1/2
Erlotinib	Selleck Chemicals	EGFR
Gemcitabine	Eli Lilly	Nucleic acid synthesis
C225 (cetuximab)	Vanderbilt University	EGFR