

Supplementary Materials: New Target for Precision Medicine Treatment of Giant-Cell Tumor of Bone: Sunitinib Is Effective in the Treatment of Neoplastic Stromal Cells with Activated PDGFR β Signaling

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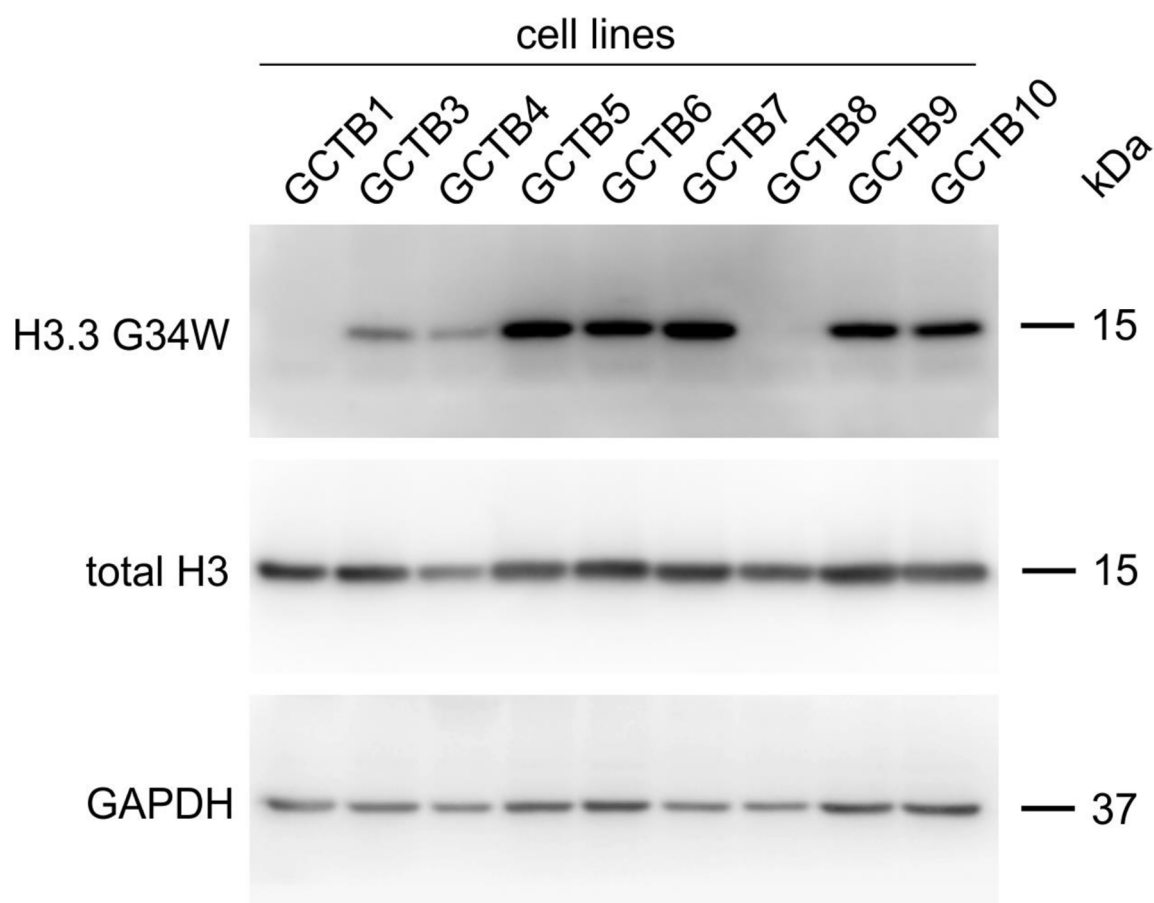


Figure S1. Analysis of mutated 466 histone H3.3G34W and total histone H3 expression in cell lines by immunoblotting.

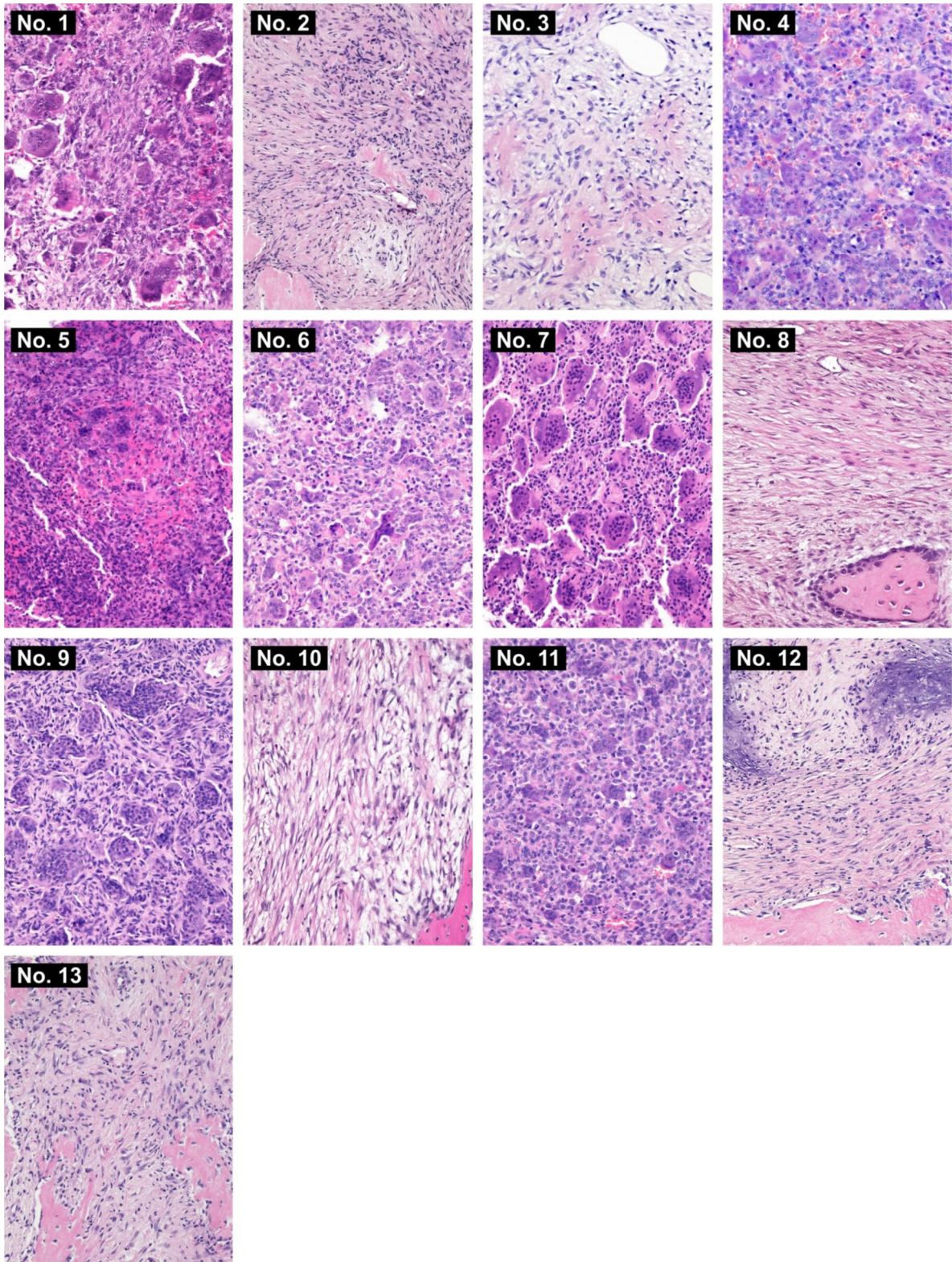


Figure S2. Hematoxylin-eosin-stained tissue sections of GCTB samples.

Table S1. Overview of phosphorylated proteins detected using the Proteome Profiler™ Human Phospho-RTK Array Kit.

EGFR	FGFR4	MSPR	ROR1	VEGFR1	EphA4	ALK
ErbB2	InsR	PDGFR α	ROR2	VEGFR2	EphA6	DDR1
ErbB3	IGF-IR	PDGFR β	Tie-1	VEGFR3	EphA7	DDR2
ErbB4	Axl	SCFR	Tie-2	MuSK	EphB1	EphA5
FGFR1	Dtk	Flt-3	TrkA	EphA1	EphB2	EphA10
FGFR2 α	Mer	M-CSFR	TrkB	EphA2	EphB4	EphB3
FGFR3	HGFR	c-Ret	TrkC	EphA3	EphB6	RYK

Table S2. Overview of phosphorylated proteins, including phosphorylation sites, detected using the Proteome Profiler™ Human Phospho-Kinase Array Kit. Upper indices are used to mark different phosphorylation sites in the same protein.

Protein	Phosphorylation site(s)	Protein	Phosphorylation site(s)
AKT1/2/3I	S473	p53I	S392
AKT1/2/3II	T308	p53II	S46
AMPK α 1	T183	p53III	S15
AMPK α 2	T172	p70S6KI	T389
Chk-2	T68	p70S6KII	T421/S424
c-Jun	S63	PDGFR β	Y751
CREB	S133	PLC- γ 1	Y783
EGFR	Y1086	PRAS40	T246
eNOS	S1177	PYK2	Y402
ERK 1/2	T202/Y204, T185/Y187	RSK1/2/3	S380/S386/S377
FAK	Y397	Src	Y419
Fgr	Y412	STAT2	Y689
Fyn	Y420	STAT3I	Y705
GSK3- α/β	S21/S9	STAT3II	S727
Hck	Y411	STAT5a	Y689
HSP27	S78/S82	STAT5a/b	Y694/Y699
HSP60	-	STAT5b	Y699
JNK 1/2/3	T183/Y185, T221/Y223	STAT6	Y641
Lck	Y394	TOR	S2448
Lyn	Y397	WNK1	T60
MSK 1/2	S376/S360	Yes	Y426
p27	T198	β -catenin	-
p38 α		T180/Y182	