

Table 1. The target sequence of short hairpin RNA KIF3A:

Gene name	sense	antisense
KIF3A-Human-1#	GGGUUGACUUGUUGGCCAA	UUGGCCAACAAGUCA
	TT	ACCCTT
KIF3A-Human-2#	GCAACUUCGCAGAGAACUU	AAGUUCUCUGCGAA
	TT	GUUGCTT
NC	UUCUCCGAACGUGUCACGU	ACGUGACACGUUCGG
	TT	AGAATT

Table 2. The primers used in this study:

Gene Name	Sequence (5' -3')
KIF3AF	5'-ATGCTTTGCTGCGTCAGTTC-3'
KIF3AR	5'-ACTACTGCTGCTGCTACTGC-3'
GAPDHF	5'-GAGTCAACGGATTTGGTCGT-3'
GAPDHR	5'-TTGATTTTGGAGGGATCTCG-3'

Table 3. The full names of all abbreviated cancers within text:

Abbreviation	Full name
GBM	Glioblastoma Multiforme
LGG	Lower Grade Glioma
BRCA	Breast Invasive Carcinoma
LUAD	Lung Adenocarcinoma
LUSC	Lung Squamous Cell Carcinoma
COAD	Colon Adenocarcinoma
READ	Rectum Adenocarcinoma
STAD	Stomach Adenocarcinoma
KIRC	Kidney Renal Clear Cell Carcinoma
KIRP	Kidney Renal Papillary Cell Carcinoma
KICH	Kidney Chromophobe

BLCA	Bladder Urothelial Carcinoma
HNSC	Head and Neck Squamous Cell Carcinoma
OV	Ovarian Serous Cystadenocarcinoma
UCEC	Uterine Corpus Endometrial Carcinoma
CESC	Cervical Squamous Cell Carcinoma and Endocervical Adenocarcinoma
LIHC	Liver Hepatocellular Carcinoma
PRAD	Prostate Adenocarcinoma
THCA	Thyroid Carcinoma
SKCM	Skin Cutaneous Melanoma
PAAD	Pancreatic Adenocarcinoma
SARC	Sarcoma
DLBC	Diffuse Large B-cell Lymphoma
MESO	Mesothelioma
UCS	Uterine Carcinosarcoma
CHOL	Cholangiocarcinoma
ACC	Adrenocortical Carcinoma
PCPG	Pheochromocytoma and Paraganglioma
TGCT	Testicular Germ Cell Tumors
THYM	Thymoma
UVM	Uveal Melanoma
ESCA	Esophageal Carcinoma
LAML	Acute Myeloid Leukemia
