

Supplement

Yang, H. ., Gan, L. ., Zheng, Y. ., Min, J. ., Xiong, Z. ., Wang, T. ., Hu, S. ., & Lv, G. . (2025). LncRNA-NONHSAT192404.1 Regulates miR-518a-3p to Inhibit Triple-Negative Breast Cancer Progression via the PI3K/AKT Pathway. *Biomedical Research and Therapy*, 12(8), 7633-7643. <https://doi.org/10.15419/8z52aw42>

Supplementary table 1. The siRNAs sequence used for knockdown.

siRNA Name	Sense(5'–3')	Antisense(5'–3')
siRNA-LncRNA-NONHSAT192404.1 a	ACUUCAAAGCGCUUCUUG CCC	GCAAGAAGCGCUUUGAAG UGA
siRNA-LncRNA-NONHSAT192404.1 b	UUAUCAACCACAAUAUCCC AG	GGGAUAUUGUGGUUGAUA ACU
siRNA-LncRNA-NONHSAT192404.1 c	AAGUGAAAAGCAUGGUUA CAG	GUAACCAUGCUUUUCACU UCC
siRNA-NC	ACGUGACACGUUCGGAGA A	UUCUCCGAACGUGUCACG U

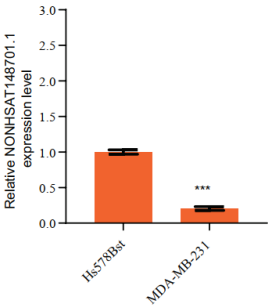
Supplementary table 2. The primer sequences used for qRT-PCR.

Gene	Primer Name	Sequence (5'–3')
LncRNA-NONHSAT192404.1	F	CCTTCCAAAATGTTGCGATT
	R	TGGACACACCTGTCGTGTTT,
LncRNA-NONHSAT159693.1	F	GAGAGGTCAGCTTCCCAGTG
	R	AGCCCAACATTCAAAGCATC
TLR4	F	CCCTGAGGCATTTAGGCAGCTA
	R	AGGTAGAGAGGTGGCTTAGGCT
AKT1	F	TGGACTACCTGCACTCGGAGAA
	R	GTGCCGCAAAGGTCTTCATGG
PIK3CA	F	GAAGCACCTGAATAGGCAAGTC G
	R	GAGCATCCATGAAATCTGGTCG C

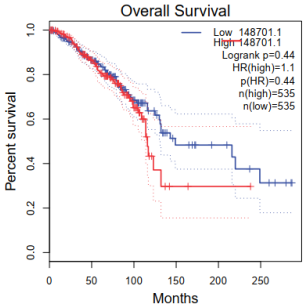
PPP2R1A	F	ACCGCATGACTACGCTCTTCTG
	R	TTGAAGCGGACATTGGCAACCG
GAPDH	F	AGCCACATCGCTCAGACAC
	R	GCCCAATACGACCAAATCC
U6 snRNA	F	CTCGCTTCGGCAGCACA
	R	AACGCTTCACGAATTTGCGT

Supple figure 1

A

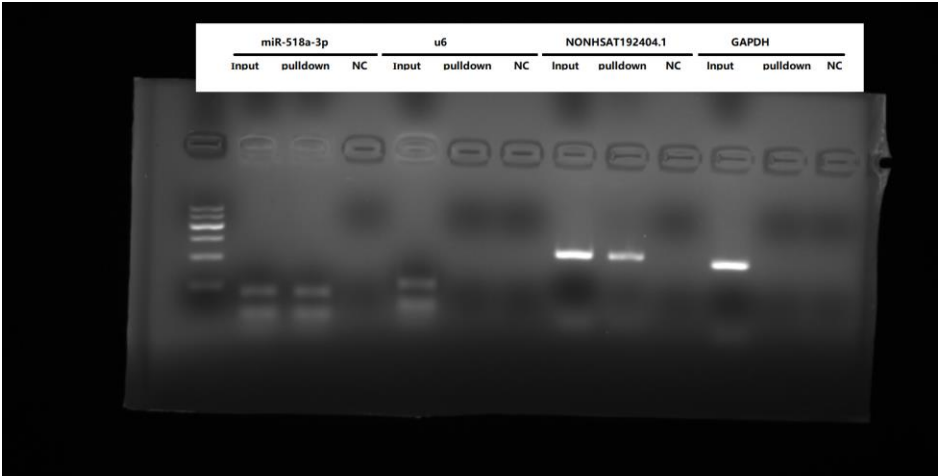


B



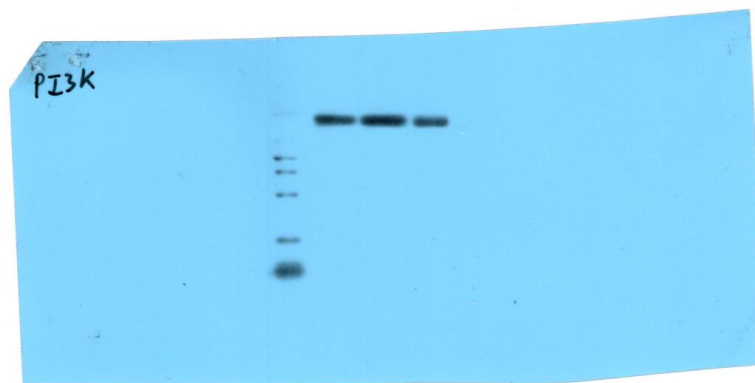
Supplementary Figure.

RNA pulldown



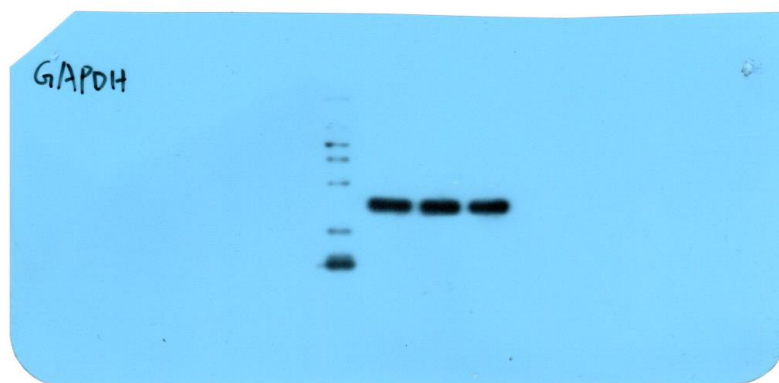
PI3K

NC, NONHSAT192404.1+ miR-518a-3p, NONHSAT192404.1



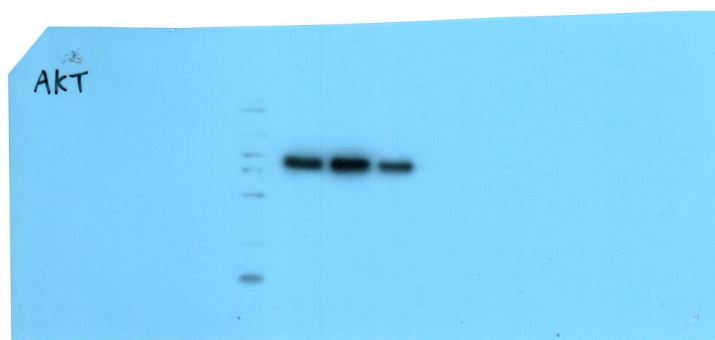
GAPDH

NC, NONHSAT192404.1+ miR-518a-3p, NONHSAT192404.1



AKT

NC, NONHSAT192404.1+ miR-518a-3p, NONHSAT192404.1



TLR4

NC, NONHSAT192404.1+ miR-518a-3p, NONHSAT192404.1

