

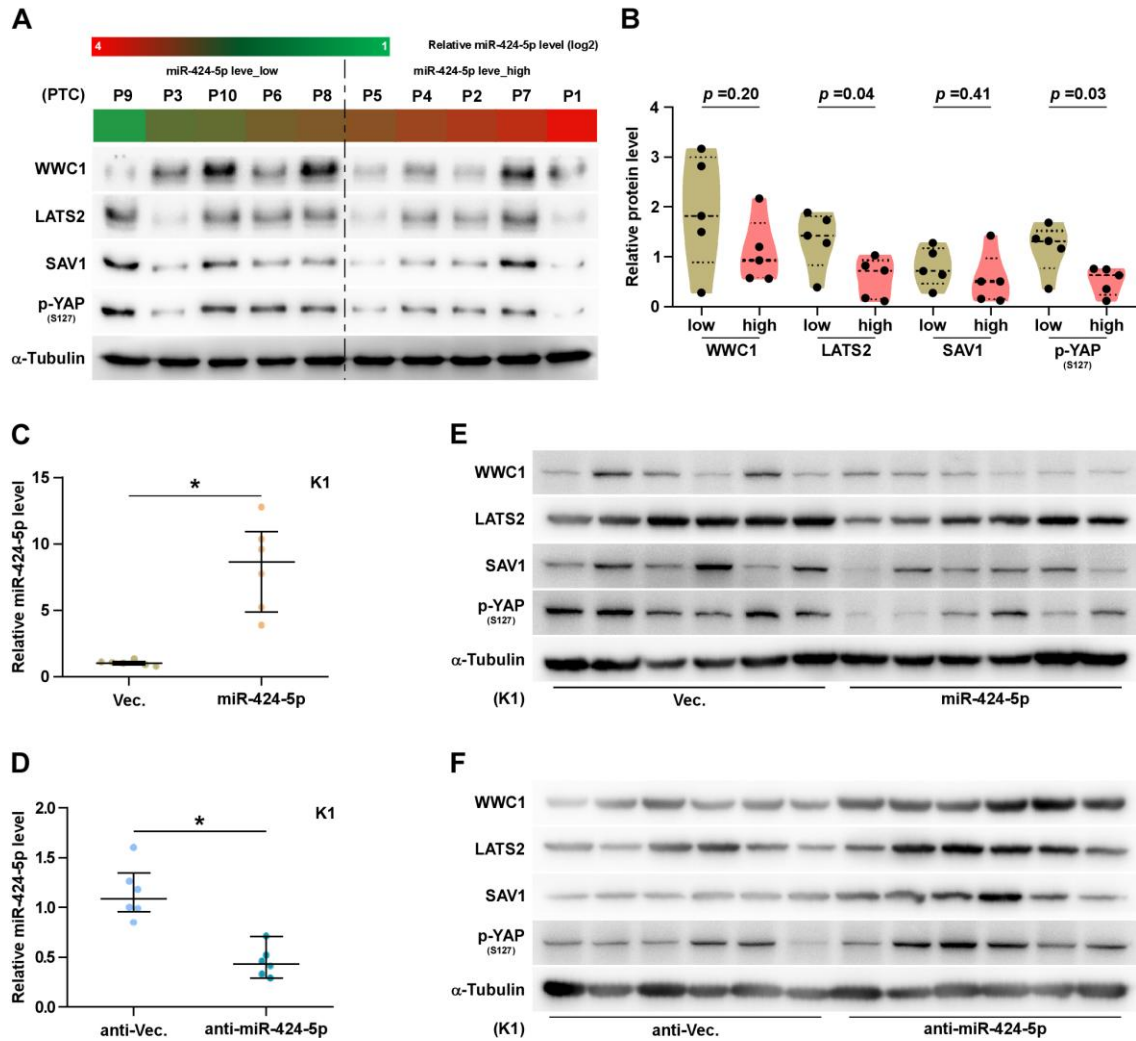
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Supplemental Information

**miR-424-5p Promotes Anoikis Resistance
and Lung Metastasis by Inactivating
Hippo Signaling in Thyroid Cancer**

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Supplemental Figure 1



Supplemental Figure 1. miR-424-5p negatively correlates with WWC1, SAV1 and LAST2, and YAP1. (A and B) Analysis of miR-424-5p expression with WWC1, SAV1 and LAST2, and YAP1 in 10 paired thyroid cancer tissues. U6 was used as the control for miRNA loading. miR-424-5p expression levels were normalized to that miR-424-5p expression of case 1. Each bar represents the mean \pm SD of three independent experiments. α -tubulin was used as a loading control. (C-F) miR-424-5p, WWC1, SAV1 and LAST2, and YAP1 expression in the tumor tissues of the mice inoculated with the indicated thyroid cancer cells. U6 was used as the control for miRNA loading. miR-424-5p expression levels were normalized to that miR-424-5p expression in vector group. Each bar represents the mean \pm SD of three independent experiments. α -tubulin and p84 were used as total and nuclear loading controls, respectively.

Supplemental Table 1. The basic information of 10 thyroid carcinoma patients for miR-424-5p RNA expression analysis.

		Cases (n)	Percentage (%)
Histologic	PTC	10	100.0
	ATC	0	0.0
Gender	Male	0	0.0
	Female	10	100.0
Age	<45	7	70.0
	≥45	3	30.0
T classification	T1	5	50.0
	T2	4	40.0
	T3	0	0.0
	T4	1	10.0
N classification	N0	2	20.0
	N1	8	80.0
M classification	M0	10	100.0
	M1	0	0.0
Stage	I	10	100.0
	II	0	0.0
	III	0	0.0
	IV	0	0.0

* PTC: papillary thyroid carcinoma; ATC: anaplastic thyroid carcinoma.

Supplemental Table 2. A list of primers used in the reactions for real-time RT-PCR.

Gene	Sequence (5`– 3`)
GAPDH-up	TCCTCTGACTTCAACAGCGACAC
GAPDH-dn	CACCCTGTTGCTGTAGCCAAATTC
CTGF-up	TGGAGATTTTGGGAGTACGG
CTGF-dn	CAGGCTAGAGAAGCAGAGCC
CYR61-up	GGTCAAAGTTACCGGGCAGT
CYR61-dn	GGAGGCATCGAATCCCAGC
HOXA1-up	TCCTGGAATACCCATACTTAGC
HOXA1-dn	GCACGACTGGAAAGTTGTAATCC
SOX9-up	AGCGAACGCACATCAAGAC
SOX9-dn	CTGTAGGCGATCTGTTGGGG
RPL13A-up	GCCATCGTGGCTAACAGGTA
RPL13A-dn	GTTGGTGTTCATCCGCTTGC
PPIA-up	GGCAAATGCTGGACCCAACACA
PPIA-dn	TGCTGGTCTTGCCATTCCTGGA

Supplemental Table 3. A list of primers used in the reactions for clone PCR.

Gene	Sequence (5' – 3')
MIR424-up	CACCTGCAGCTCCTGGAAATC
MIR424-dn	CCCAGCCTAGCCAGGAATACT
LATS2-3'UTR-up	GACTCAGCATCGCTTTCAATAGGC
LATS2-3'UTR-dn	CACCAGACGTCGGAAATCACAG
SAV1-3'UTR-up	AGCAGTGGTATGCCCAACAAC
SAV1-3'UTR-dn	TCTG TTCATAATGACATTTCCGCTGC
WWC1-3'UTR-up	CAAGTCCTCTAGTGCTCTTGTTGG
WWC1-3'UTR-dn	TAGCTGTACTGTGACAAGTGCGG