

# **Crosstalk between ECM stiffness and ROS drives endometrial repair via HIF-1 $\alpha$ /YAP axis during menstruation**

Tao Zhang<sup>\*1,2</sup>, Yan Wang<sup>1</sup>, Cuiyan Liu<sup>1</sup>, Chunyang Han<sup>1</sup>

<sup>1</sup> College of Animal Science and Technology, Anhui Agricultural University, Hefei 230031, People's Republic of China.

<sup>2</sup> Department of Clinical Veterinary Medicine, College of Veterinary Medicine, Huazhong Agricultural University, Wuhan 430070, People's Republic of China.

## **\* Correspondence**

Tao Zhang, College of Animal Science and Technology, Anhui Agricultural University, Hefei 230031, People's Republic of China.

**E-mail:** [taozhang@ahau.edu.cn](mailto:taozhang@ahau.edu.cn)

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**Table S1. Information on antibodies used in the study.**

<b>Antibodies</b>	<b>Product code</b>	<b>Dilution</b>	<b>Species</b>	<b>Manufacturer</b>
GAPDH	#5174	1:1000 (WB)	Rabbit	Cell Signaling Technology
Anti-rabbit IgG	#5127	1:2000 (WB)	mouse	Cell Signaling Technology
Anti-mouse IgG	#7056	1:2000 (WB)	Goat	Cell Signaling Technology
YAP	#14074	1:1000 (WB), 1:250 (IF)	Rabbit	Cell Signaling Technology
pYAP	#13008	1:1000 (WB)	Rabbit	Cell Signaling Technology
FAK	#3285	1:1000 (WB)	Rabbit	Cell Signaling Technology
pFAK	#3281	1:1000 (WB)	Rabbit	Cell Signaling Technology
pMLC2	#3671	1:1000 (WB)	Rabbit	Cell Signaling Technology
MLC2	#3672	1:1000 (WB)	Rabbit	Cell Signaling Technology
HIF-1 $\alpha$	#36169	1:1000 (WB)	Rabbit	Cell Signaling Technology
Vinculin	A14193	1:50 (IF)	Rabbit	Abclonal
Brdu	A1482	1:200(IF)	mouse	Abclonal
Ki67	ab15580	1:100 (IF)	Rabbit	abcam
Lamin B1	ab133741	1:5000(WB)	Rabbit	abcam
VEGF-A	AF5131	1:1000 (WB)	Rabbit	Affinity
CXCR4	AF5279	1:1000 (WB)	Rabbit	Affinity
P21	AF6290	1:1000 (WB)	Rabbit	Affinity
CDK4	DF6102	1:1000 (WB)	Rabbit	Affinity
Cyclin D1	AF0931	1:1000 (WB)	Rabbit	Affinity
Myosin IIC	DF4196	1:500 (WB)	mouse	Affinity
YAP	sc-376830	1:1000 (WB), 1:50 (IF)	mouse	Santa Cruz Biotechnology
Cy3 anti-rabbit IgG	GB21303	1:100 (IF)	Goat	Servicebio
Cy3 anti-mouse IgG	GB21301	1:100 (IF)	Goat	Servicebio
FITC anti-mouse IgG	GB22301	1:50 (IF)	Goat	Servicebio
FITC anti-rabbit IgG	GB22303	1:50 (IF)	Goat	Servicebio
FITC Phalloidin	G1028	1:200 (IF)		Servicebio
TRITC Phalloidin	G1041	1:200 (IF)		Servicebio

**Table S2 oligonucleotide primers used for qPCR.**

<b>Gene</b>	<b>Forward</b>	<b>Reverse</b>
YAP	GCGGTTGAAACAACAGGAATTA	TGAGACATCCCAGGAGAAGA
VEGF	ACATTGGCTCACTTCCAGAAACAC	GGTTGGAACCGGCATCTTTATC
Ang-2	TCCAAGAGCTCGGTTGCTAT	CCATCTTCTCGGTGTTGGAT
CXCR4	TGGAACCGATCAGTGTGAGT	GGCAGGAAGATCCTATTGA
CDK4	ATGGCTGCCACTCGATATGAA	TCCTCCATTAGGAACTCTCACAC
Cyclin D1	GCGTACCCTGACACCAATCTC	CTCCTCTTCGCACTTCTGCTC
p21	CCTGGTGATGTCCGACCTG	CCATGAGCGCATCGCAATC
CYR61	AGCCTCGCATCCTATAACAACC	TTCTTTCACAAGGCGGCACTC
CTGF	CCAATGACAACGCCTCCTG	TGGTGCAGCCAGAAAGCTC
GAPDH	CCATGTTCGTCATGGGTGTG	CAGGGGTGCTAAGCAGTTGG