

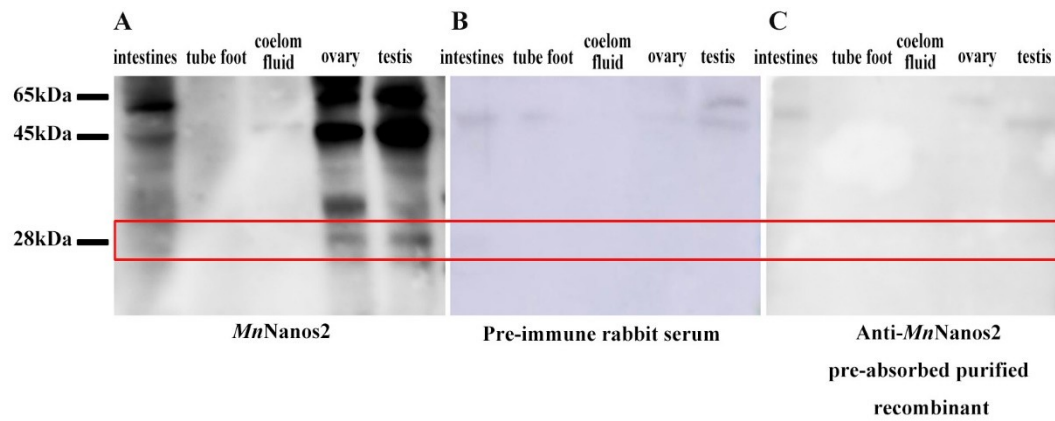


Figure S1. (A) Western blot with the anti-*MnNanos2* polyclonal antibody in ovary and testis extracts; (B) Western blot with the pre-immune rabbit serum in ovary and testis extracts; (C) Western blot with the anti-*MnNanos2* antibody that had been pre-absorbed with the purified recombinant *MnNanos2* protein in ovary and testis extracts.

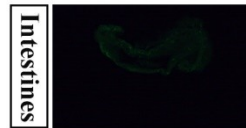


Figure S2. immunofluorescence localization of *MnNanos2* in the intestines.

Table S1. Sequences of the primers used for experiment.

Primer name	Purpose	Sequence(5' to 3')
Nanos2-F1	ORF	TTGTCACCATGTACGACC
Nanos2-R1	ORF	GTGCTGCAAAGGCTGCTC
Nanos2-F2	5'RACE-1	AACGGTGTCGAGATAT
Nanos2-F3	5'RACE-2	AAAGTCATCGTTCACTCTGC
Nanos2-F4	5'RACE-3	CAACAGTCCACTGAGTCCA
Nanos2-R2	3'RACE-1	CGGATCCCAGTATAGAACCCACG
Nanos2-R3	3'RACE-2	CTCTGGCGGAGGTTCACTACTTA
Nanos2-F5	RT-PCR	CTATGCGGAACGAACGGCGACC
Nanos2-R4	RT-PCR	GTCGGTGTCGTTGGCTAGCGAAG
Ubiquitin -F	RT-PCR	TGGTCGCACTCTCTCAGACTACAAC
Ubiquitin -R	RT-PCR	TGCCGTCTCTCAATTGTCTATAGC
Nanos2 -F6	Situ hybridization	ACACCGTTCCACAACAATG
Nanos2 -R6	Situ hybridization	TAATACGACTCACTATAGGTCAAGTAGATGAACCT CCGCCAG
ds -RNA F	RNAi	TAATACGACTCACTATAGGGTATCTCGACACCGTT CCACA
ds -RNA R	RNAi	TAATACGACTCACTATAGGGAAGTAGATGAACCTCC GCCA