TRANSCRIPTION OF *SRY* IN ADULT MICE

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Transcription of the murine sex-determining-region Y gene (*Sry*) was detected using Northern hybridization, reverse-transcriptase-polymerase chain reaction (RT-PCR), and *in situ* hybridization (ISH) in adult male mice.

In contrast to previous investigations reporting that *Sry* in adults was transcribed only in the testis, *Sry* transcription was detected with both Northern analysis and RT-PCR in all adult organs studied. Accordingly, it is suggested that *Sry* may also play a role in non-gonadal organs.

ISH study revealed that *Sry* transcripts were localized in convoluted seminiferous tubules, but neither in interstitial cells nor sperms. However, the author failed to detect *Sry* transcripts using ISH in organs other than the testis. Positive reactions, which indicate transcripts, were localized in germ cells, residual bodies and especially in sustentacular cells. It was suggested that *Sry* was transcribed in both sustentacular cells and germ cells, and that it may have some relation with spermatogenesis.