

## Anti-GENA (germ cell-specific antigen) antibody, clone TRA98

73-003      50  $\mu$ g                      73-004      250  $\mu$ g

A monoclonal antibody TRA98 recognizes a mouse testicular germ cell-specific antigen (1). In adult tissues, bands of 60-100 kDa proteins are detected only in the testis by Western blotting analysis with TRA98 (Fig. 1). The signals are observed in male and female embryos after embryonic day 12.5. The signal in male is detected during development of germ cells and also after birth, but the signal in female disappears by 5 days after birth. The antigen is localized only in the nuclear fraction of testicular germ cells and this antibody can be used for immunohistochemical staining of testicular germ cells (1, 2).

The hybridoma producing TRA98 was obtained by immunization of a rat with the cell lysate of adult mouse testis by Prof. Yoshitake Nishimune group of Osaka University (1). This product is purified from the ascitic fluid of nude mice carrying the hybridoma..

### Applications

- 1) Western blotting
- 2) Immunohistochemical staining

**Form:** Purified IgG (1 mg/ml) in PBS(-), 50% glycerol

**Isotype:** Rat IgG2a

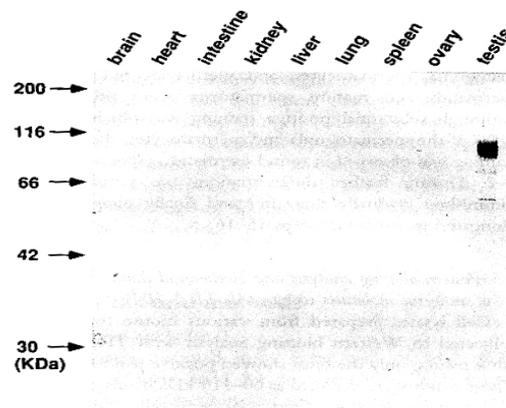
**Storage:** -20°C (long period; -80°C)

**Reference:** This product has been used in the following publications.

1. Tanaka H, et al. Int. J Androl. 20, 361-366 (1997)
2. Ohta H. et al., Development 127, 2125-2131 (2000).

**Fig.1. Western blot analysis with TRA98 of various mouse tissues.**

IgG was 5,000-fold diluted before use.



**Related products:** 73-001 Anti-SLA (spermatid specific antigen) antibody, clone TRA54

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