

## Anti-SLA (haploid sperm cell-specific antigen) antibody, clone TRA54

73-001      50  $\mu$ g      73-002      250  $\mu$ g

Many transcripts for proteins specifically expressed in haploid germ cells are synthesized in the spermatogenesis. A monoclonal antibody TRA54 recognizes specific organellaes in germ cell cytoplasm from spermatocytes to spermatids (1, 2). Western blots using TRA54 revealed broad bands with 85 kD, 190 kD and >200 kDa in testis (fig. 1). This antibody can be used for immunohistochemical staining of testicular tissues(1, 3).

The hybridoma producing TRA54 was obtained from the immunization of a rat with cell lysates of adult mouse testes by Prof. Yoshitake Nishimune group of Osaka University. This product is purified from the ascitic fluid of nude mice carrying the hybridoma clone TRA54..

### Applications

- 1) Western blotting
- 2) Immunohistochemical staining

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

**Reactivity:** Mouse and rat. Not tested for other species

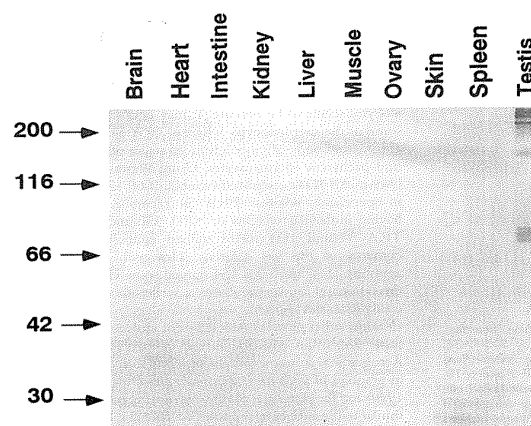
**Storage:** 4°C (long period; -20°C)

**Reference:** Antibody TRA54 has been used in the following publications.

1. Pereira LAVD, et al. Int. J Androl. 21, 34-40 (1998)
2. Arrotéia KF, et al., Androl. 25, 914-921 (2004)
3. Ventelä S, et al. Mol. Biol. Cell. 14, 2768-2780 (2003)

**Fig.1. Western blot analysis of various mouse tissues with TRA54 antibody.**

The antibody was 5,000-fold diluted before use.



**Related product:** 73-003 Anti-Gena (testicular germ cell specific antigen) antibody, clone TRA98

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