



Anti-SLA (haploid sperm cell-specific antigen)

BACKGROUND

Many transcripts for proteins specifically expressed in haploid germ cells are synthesized in the spermatogenesis. A monoclonal antibody TRA54 recognizes specific organelles 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.

Product type	Primary antibodies
Host	Mouse
Source	Ascites
Form	Liquid Purified rat IgM (1 mg/ml) in PBS(-), 50% glycerol
Volume	250 µg
Concentration	1 mg/ml
Specificity	Haploid sperm cell
Antigen	Haploid sperm cell-specific antigen,
Clone	TRA54
Isotype	IgG2a

Application notes WB, IHC

Recommended use

Recommended dilutions

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity

Storage 4°C (for long period, -20°C)

References

1) Pereira LAVD, et al. Int. J Androl. 21, 34-40 (1998)

2) Arroté Anti-SLA (haploid sperm cell-specific antigen)ia KF, et al., Androl. 25, 914-921 (2004)

3) Ventelä S, et al. Mol. Biol. Cell. 14, 2768-2780 (2003)

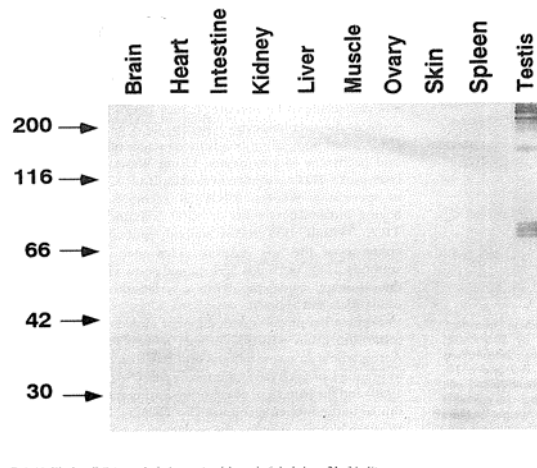


Fig.1. Western blot analysis of various mouse tissues with TRA54 antibody.
The antibody was 5,000-fold diluted before use.

RELATED PRODUCT

73-003 Anti-Gena (testicular germ cell specific antigen)

For research use only. Not for clinical diagnosis.

Manufactured by BioAcademia Inc.



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619



抗半数体精子細胞

BACKGROUND

精子形成過程には、多くの特異的分子が発現している。TRA54は半数体精子細胞に発現し、また、副精巣から分泌され、精子に結合する糖鎖を認識するモノクローナル抗体である(1、2)。TRA54を用いた組織のウェスタンブロットティングでは、精巣にのみ反応し、85 kD、190 kD、および200 kD以上の分子量のタンパク質が検出される(図1)。また、免疫染色も可能である(1、3)。TRA54は、大阪大学微生物病研究所西宗義武教授らのグループによって、マウス精巣の精巣抽出液をラットに免疫し得られたハイブリドーマより単離された(1)。本品はTRA54をヌードマウスの腹水へ注射し、その腹水からIgGを精製したものである。

Product type	一次抗体
Host	マウス
Source	腹水
Form	液状
Volume	250 µg
Concentration	1 mg/ml
Specificity	半数体精子細胞
Antigen	マウス精巣の精巣抽出液
Clone	TRA54
Isotype	IgG2a

Application notes WB, IHC

Recommended use**Recommended dilutions**

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern**Cross reactivity**

Storage 4°C (長期保存, -20°C)

References

- 1) Pereira LAVD, et al. Int. J Androl. 21, 34-40 (1998)
- 2) Arroté Anti-SLA (haploid sperm cell-specific antigen)ia KF, et al., Androl. 25, 914-921 (2004)
- 3) Ventelä S, et al. Mol. Biol. Cell. 14, 2768-2780 (2003)



RELATED PRODUCT

73-003 生殖細胞特異抗体 TRA98

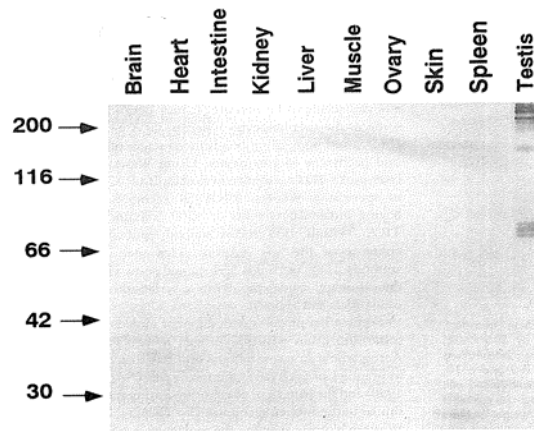


図1 TRA54 を用いたいろいろな組織のウェスタンブロッティング
5,000 倍希釈で使用

For research use only. Not for clinical diagnosis.

Manufactured by BioAcademia Inc.



COSMO BIO Co., LTD.
Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619