

抗 GENA (生殖細胞特異抗原) 抗体、クローン TRA98

73-003 100 μ g

保存温度：輸 送 4°C、保存-20°C -20°C以下で保存して凍らせないこと。

反応性：マウス（他の生物種ではテストされていない）

免疫原：マウス精巣抽出液

用途

- 1) ウェスタンブロッティング（1/1,000-1/5,000）
- 2) 免疫組織染色（1/500）
- 3) 免疫沈降（1.200）
- 4) 免疫蛍光染色（1/400）

Isotype: Rat IgG2a

性状：精製 IgG 1 mg/ml in PBS (0.15 M NaCl , 10 mM リン酸ナトリウム緩衝液 pH7.2),
50% Glycerol、フィルター滅菌、添加剤不添加

背景: TRA98 は生殖細胞特異的に発現する抗原を認識するモノクローナル抗体である(1)。
TRA98 を用いたウェスタンブロッティングでは、精巣にのみ反応し、60-100 kD の分子量の
タンパク質が検出される(図1)。Embryonic day 12.5 以降の雌雄の生殖巣でシグナルがみ
られ、雌では生後まもなく反応が消えるが雄では発現が強くなる。抗原は生殖細胞核に強
く局在し、免疫染色も可能である(1, 2)。

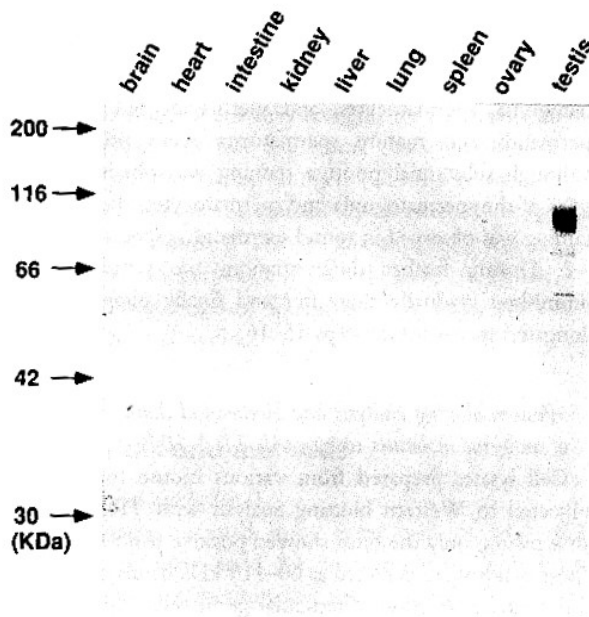


図1 TRA98 を用いたいろいろな
組織のウェスタンブロッティング
抗体は5,000倍希釈で使用

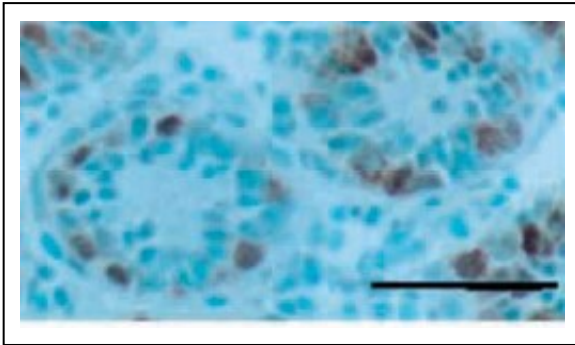


図 2. 免疫組織染色

生後 7 日のマウステストイスの凍結切片を抗 TRA98 抗体で反応させた。Avidin-biotin-peroxidase 複合法で染色した。

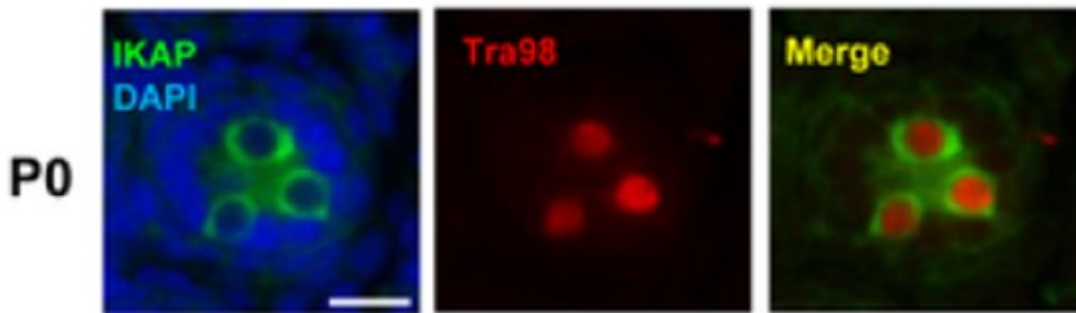


図 3. Tra98 と IKAP の精子形成過程での共局在の免疫組織染色像。

Tra98 は赤色、IKAP は緑色、DNA は DAPI で青色に染まっている。

画像は [PLoS Genet.](https://doi.org/10.1371/journal.pgenet.1003516) 2013 May;9(5):e1003516 authored by Lin FJ et al.

関連製品 #73-001 抗 SLA (半数体精子細胞特異的抗原) 抗体、クローン TRA54

文献：本抗体は以下の論文につかわれている (77 論文)

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