

## Haploid sperm cell-specific antigen antibody [TRA54]

Cat. No. GTX00716

<b>Host</b>	Rat
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgM
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IP, Dot, EM
<b>Reactivity</b>	Mouse, Rat

References ( 3 )

Package

100 µg

## PRODUCT

## Summary

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. Western blots using TRA54 revealed broad bands with 85 kD, 190 kD and >200 kDa in testis probably due to alternative splicing and/or post-translational modification. The molecular size diversity is due to the difference in glycosylation.

## Applications

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	~1 µg/ml
ICC/IF	Assay dependent
IHC-P	Assay dependent
IHC-Fr	Assay dependent
IP	Assay dependent
Dot	Assay dependent
EM	Assay dependent

Not tested in other applications.

## Properties

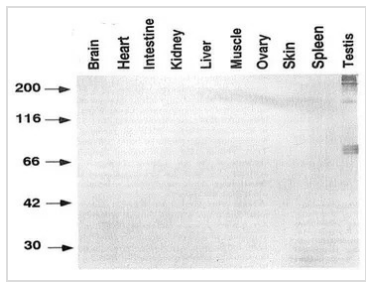
<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 50% Glycerol
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	adult mouse testis



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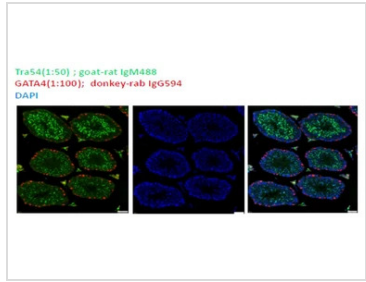
<b>Purification</b>	Purified IgM From tissue culture supernatant
<b>Conjugation</b>	Unconjugated
<b>Note</b>	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.  Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

**DATA IMAGES**



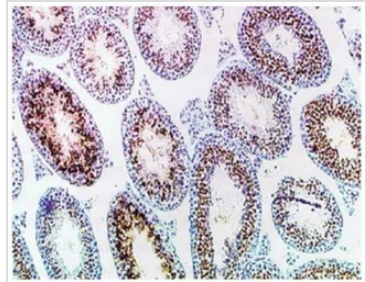
**GTX00716 WB Image**

WB analysis of various mouse tissue samples using GTX00716 Haploid sperm cell-specific antigen antibody [TRA54].  
Dilution : 1 µg/ml  
Loading : 100 µg




**GTX00716 IHC-P Image**

IHC-P analysis of mouse testis tissue section (8-month) using GTX00716 Haploid sperm cell-specific antigen antibody [TRA54]. Anti-GATA antibody stains nuclei of Sertoli cells in seminiferous tubule while anti-TRA54 antibody stains reproductive cells.  
Dilution : 1:50  
Antigen retrieval : 10 mM citrate buffer (pH 6.0) for 15min  
Fixation : 4% PFA



**GTX00716 IHC-P Image**

IHC-P analysis of mouse testis tissue section (C57BL/6) using GTX00716 Haploid sperm cell-specific antigen antibody [TRA54].  
Fixation : Bouin's solution



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