

CoraLite®594-conjugated TEX14 Monoclonal antibody

Catalog Number: **CL594-67982**

Basic Information

Catalog Number:

CL594-67982

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG13143

GenBank Accession Number:

BC040526

GeneID (NCBI):

56155

UNIPROT ID:

Q8IWB6

Full Name:

testis expressed 14

Calculated MW:

957aa, 107 kDa; 1497aa, 168 kDa

Observed MW:

180 kDa

Purification Method:

Protein A purification

CloneNo.:

1A11D6

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

Human, mouse, rat, rabbit

Positive Controls:

IF-P: mouse testis tissue,

Background Information

Tex14 is required both for the formation of intercellular bridges during meiosis and for kinetochore-microtubule attachment during mitosis. Intercellular bridges are evolutionarily conserved structures that connect differentiating germ cells and are required for spermatogenesis and male fertility. Tex14 acts by promoting the conversion of midbodies into intercellular bridges via its interaction with CEP55: interaction with CEP55 inhibits the interaction between CEP55 and PDCD6IP/ALIX and TSG101, blocking cell abscission and leading to transform midbodies into intercellular bridges. Tex14 also plays a role during mitosis: recruited to kinetochores by PLK1 during early mitosis and regulates the maturation of the outer kinetochores and microtubule attachment.

Storage

Storage:

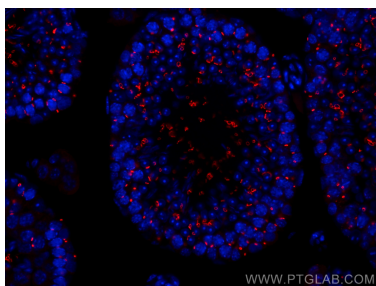
Store at -20°C. Avoid exposure to light.

Storage Buffer:

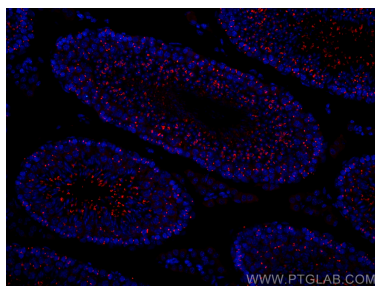
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using CoraLite®594 TEX14 antibody (CL594-67982, Clone: 1A11D6) at dilution of 1:200.



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