

## Anti-TEX14 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog)
Molecular Weight:	Theoretical: 168 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Tex14) Polyclonal Antibody, Unconjugated (TMAB-13463) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Tex14
Antigen Species:	Human
Gene ID:	56155
Uniprot ID:	Q8IWB6

## Research Background

TEX14 is a 1,497 amino acid protein that belongs to the protein kinase superfamily and is expressed in testis. The gene encoding TEX14 is located on chromosome 17 and is required for spermatogenesis and normal structure of the intercellular bridge that connects spermatocytes and spermatogonia. TEX14 co-localizes with the centralspindlin complex, MKLP-1 (mitotic kinesin-like protein 1) and male germ cell Rac GTPase (Rac GTPase-activating protein) and converts these midbody matrix proteins into stable intercellular bridge components. TEX14 contains 3 ANK repeats and 1 protein kinase domain. Three isoforms exist due to alternative splicing events.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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