

## Anti-SPATA12 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 20 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with SPATA12 Polyclonal Antibody, Unconjugated (TMAB-13082) at 1: 200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit) 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 SPATA12
Antigen Species:	Human
Gene ID:	353324
Uniprot ID:	Q7Z6I5

### Research Background

SPATA12, also known as SRG5 (Spermatogenesis-related protein 5), is a 190 amino acid protein that may be involved in the regulation of spermatogenesis. SPATA12 is expressed in normal adult testis, but is absent in fetal testis, implying that it may be involved in the development of testicular maturation. Specifically, SPATA12 is expressed in spermatocytes, spermatids and spermatozoa, with no expression in Leydig and Sertoli cells. Studies with HeLa and GC-1 germ cells indicate that expression of the SPATA12 gene may delay the progression of G1 to S in the cell cycle, therefore it is thought that SPATA12 maintains the cell in a differentiated state and suppresses cell

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