Data Sheet (Cat.No.TMAB-12306)

TargetMol

Anti-RNF17 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Rat (predicted:Human,Mouse,Dog,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 185 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (rat 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 (RNF17) Polyclonal Antibody, Unconjugated (TMAB-12306) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes 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 RNF17
Antigen Species:	Human
Gene ID:	56163
Uniprot ID:	Q9BXT8

Research Background

The RING-type zinc finger motif is present in a number of viral and eukaryotic proteins and is made of a conserved cysteine-rich domain that is able to bind two zinc atoms. Proteins that contain this conserved domain are generally involved in the ubiquitination pathway of protein degradation. RNF17 (ring finger protein 17) or tudor domain-containing protein 4, TDRD4, SPATA23, Mmip-2 or FLJ11045, is a testis-specific protein and and novel key regulator of spermiogenesis containing 1,623 amino acids. By distributing Mad proteins to the cytoplasm, RNF17 regulates the transcriptional activity of c-Myc. Although showing localization in the nucleus, RNF17 is predominantly observed in cytoplasm and is a component of a novel nuage found in male germ cells. The gene encoding RNF17 maps to human chromosome 13q12.12 and encodes one RING-type zinc finger and four tudor domains. As a result of alternative splice events, five RNF17 isoforms exisit.

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