

Anti-TKTL1 Polyclonal Antibody

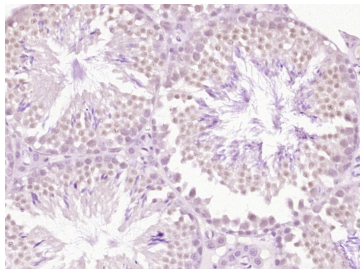
Product Details

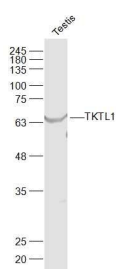
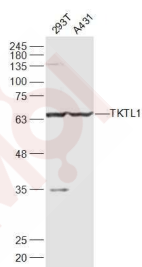
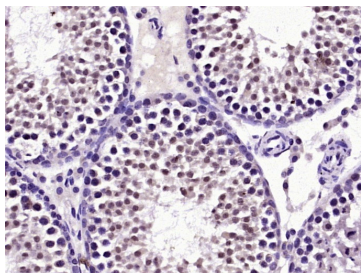
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 65 kDa. Actual: 65 kDa.
Purification:	Protein A purified

Applications

1. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TKTL1) Polyclonal Antibody, Unconjugated (TMAB-01849) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (TKTL1) Polyclonal Antibody, Unconjugated (TMAB-01849) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
3. Sample:

Verified Activity:	293t (Human) Cell Lysate at 30 µg
	A431 (Human) Cell Lysate at 30 µg
	Primary: Anti-TKTL1 (TMAB-01849) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 65 kDa
	Observed band size: 65 kDa
	4. Sample:
	Testis (Mouse) Lysate at 40 µg
Primary: Anti-TKTL1 (TMAB-01849) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 65 kDa	
Observed band size: 65 kDa	





Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: 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 TKTL1

Antigen Species: Human

Gene ID: 8277

Uniprot ID: P51854

Synonyms: Transketolase like protein 1;Transketolase related protein;Transketolase2;TK2;TKTL 1;TKR; Transketolase 2;TKT 2;TK 2;TKT2;Transketolase like 1

Biology Area: Enzymes,Energy Metabolism,Energy Metabolism

Research Background

The protein encoded by this gene is a transketolase that acts as a homodimer and catalyzes the conversion of sedoheptulose 7-phosphate and D-glyceraldehyde 3-phosphate to D-ribose 5-phosphate and D-xylulose 5-phosphate. This reaction links the pentose phosphate pathway with the glycolytic pathway. Variations in this gene may be the cause of Wernicke-Korsakoff syndrome. Three transcript variants encoding different isoforms have been found for this gene.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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