SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-TKTL1 antibody

Catalog Number: SL6284R

FOR RESEARCH USE ONLY

[DATASHEET]

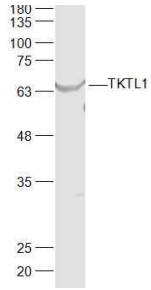
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	TKTL1
Immunogen:	KLH conjugated synthetic peptide derived from human TKTL1: 101-200/596
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, Rat, (predicted: Dog, Pig, Cow, Horse, Rabbit, Sheep)
Predicted MW.:	65 kDa
Subcellular Location:	The nucleus cytoplasmic
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. **Function:** Catalyzes the transfer of a two-carbon ketol group from a ketose donor to an aldose acceptor, via a covalent intermediate with the cofactor thiamine pyrophosphate **Subunit:** Homodimer **Subcellular Location:** Cytoplasm. Nucleus. Note=Predominantly cytoplasmic

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

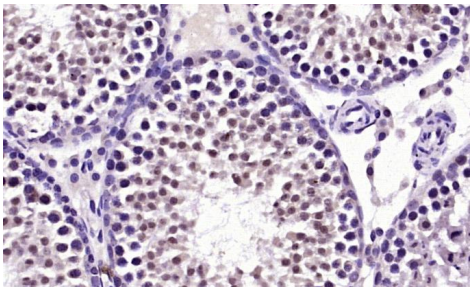
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	and to a lesser extent also nuclear. **Tissue Specificity:** Expressed in fetal and adult heart, brain, lung, liver, and kidney, and in adult placenta, skeletal muscle and pancreas. Up-regulated in various epithelial tumors. **Similarity:** Belongs to the transketolase family. **Database links:** **Entrez Gene:** 8277 Human Omim: 300044 Human **SwissProt:** P51854 Human **Unigene:** 102866 Human

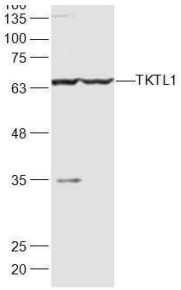
[VALIDATION IMAGES]



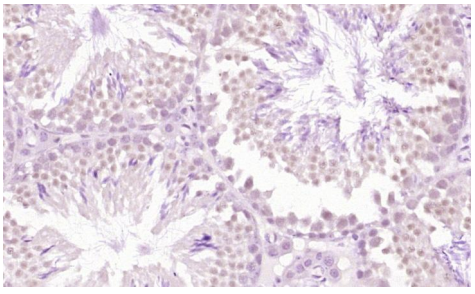
Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-TKTL1 (SL6284R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65 kD
Observed band size: 65 kD



Paraformaldehyde-fixed, paraffin embedded (Rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TKTL1) Polyclonal Antibody, Unconjugated (SL6284R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample:
293T(Human) Cell Lysate at 30 ug
A431(Human) Cell Lysate at 30 ug
Primary: Anti-TKTL1 (SL6284R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65 kD
Observed band size: 65 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (TKTL1) Polyclonal Antibody, Unconjugated (SL6284R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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