



# TKT Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-07657
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	TKT
<b>Protein Name</b>	Transketolase (TK) (EC 2.2.1.1)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein AA range: 125-175
<b>Specificity</b>	TKT Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	68kD
<b>Cell Pathway</b>	nucleus,nucleoplasm,peroxisome,cytosol,vesicle,myelin sheath,extracellular exosome,
<b>Tissue Specificity</b>	Brain,Epithelium,Human uterus,Kidney,Liver,Lymph,Platelet,Thymus,
<b>Function</b>	catalytic activity:Sedoheptulose 7-phosphate + D-glyceraldehyde 3-phosphate = D-ribose 5-phosphate + D-xylulose 5-phosphate.,cofactor:Binds 1 calcium ion per subunit.,cofactor:Binds 1 thiamine pyrophosphate per subunit.,disease:Has been implicated in the latent genetic disease Wernicke-Korsakoff syndrome (WKS) [MIM:277730]. WKS causes specific brain damage.,online information:Transketolase entry,similarity:Belongs to the transketolase family.,subunit:Homodimer.,
<b>Background</b>	This gene encodes a thiamine-dependent enzyme which plays a role in the channeling of excess sugar phosphates to glycolysis in the pentose phosphate pathway. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012],
<b>matters needing attention</b>	Avoid repeated freezing and thawing!



**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**