



TKT Monoclonal Antibody

Catalog No	YP-mAb-07657
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	TKT
Protein Name	Transketolase (TK) (EC 2.2.1.1)
Immunogen	Synthesized peptide derived from part region of human protein AA range: 125-175
Specificity	TKT Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	68kD
Cell Pathway	nucleus,nucleoplasm,peroxisome,cytosol,vesicle,myelin sheath,extracellular exosome,
Tissue Specificity	Brain,Epithelium,Human uterus,Kidney,Liver,Lymph,Platelet,Thymus,
Function	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.,
Background	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],
matters needing attention	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