

For Research Use Only

# Transketolase Monoclonal antibody



Catalog Number: 66016-1-Ig **1 Publications**

## Basic Information

<b>Catalog Number:</b> 66016-1-Ig	<b>GenBank Accession Number:</b> BC009970	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 2100 µg/ml by Nanodrop and 1007 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 7086	<b>CloneNo.:</b> 3E2F3
<b>Source:</b> Mouse	<b>Full Name:</b> transketolase	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF 1:20-1:200
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 68 kDa	
<b>Immunogen Catalog Number:</b> AG16779	<b>Observed MW:</b> 68 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> HeLa cells, HepG2 cells, human liver tissue, Jurkat cells, human brain tissue, HEK-293 cells
<b>Species Specificity:</b> human	<b>IF :</b> HepG2 cells,
<b>Cited Species:</b> human	

## Background Information

Transketolase is a key pentose phosphate shunt enzyme that plays an important role in the production of reducing equivalents and pentose sugars. Decreased activity of transketolase has been found in patients with Alzheimer's disease and thiamine deficiency. In addition, as an important biocatalyst in stereo-specific carbon-carbon bond synthesis, transketolase has been widely used in industry to produce aromatic products.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yimin Sun	36366731	Cancer Med	WB

## Storage

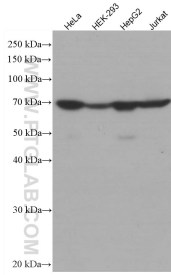
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

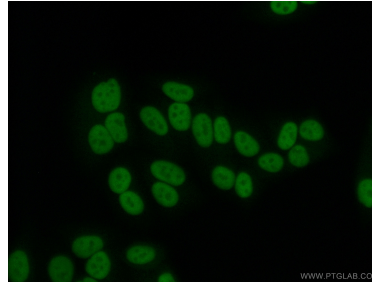
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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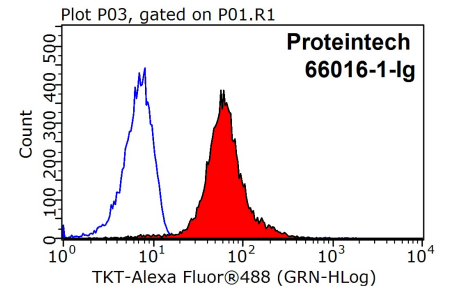
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66016-1-Ig (Transketolase antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (10% Formaldehyde ) fixed HepG2 cells using 66016-1-Ig(Transketolase antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



$1 \times 10^6$  HepG2 cells were stained with 0.2ug Transketolase antibody (66016-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.