

## Product datasheet for **CF500892**

### Transketolase (TKT) Mouse Monoclonal Antibody [Clone ID: OTI5H3]

#### Product data:

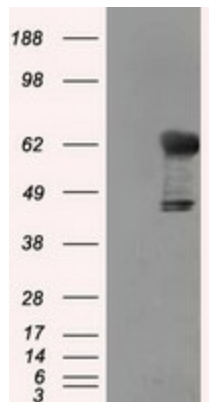
Product Type:	Primary Antibodies
Clone Name:	OTI5H3
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, Flow 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TKT (NP_001055) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	67.9 kDa
Gene Name:	transketolase
Database Link:	<a href="#">NP_001055</a> <a href="#">Entrez Gene 21881 Mouse</a> <a href="#">Entrez Gene 64524 Rat</a> <a href="#">Entrez Gene 7086 Human</a> <a href="#">P29401</a>
Synonyms:	HEL107; TK; TKT1
Protein Families:	Druggable Genome



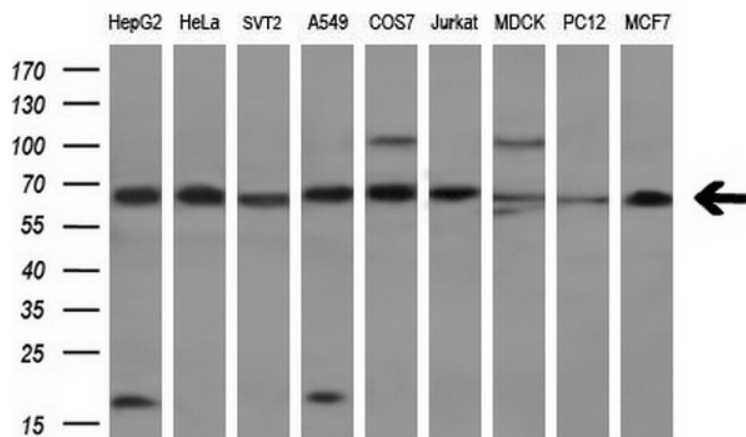
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Protein Pathways: Metabolic pathways, Pentose phosphate pathway

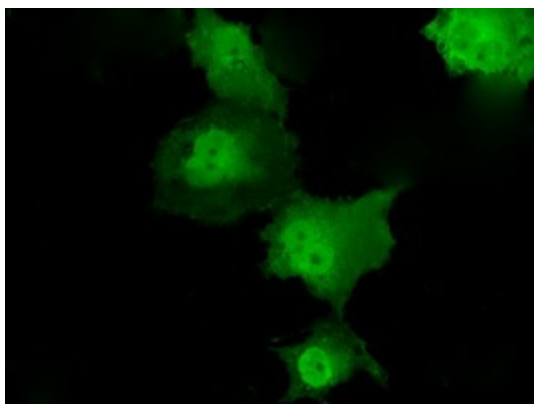
**Product images:**



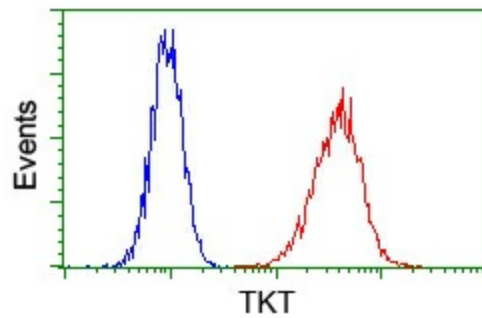
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY TKT (Cat# [RC203497], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TKT(Cat# [TA500892]). Positive lysates [LY400434] (100ug) and [LC400434] (20ug) can be purchased separately from OriGene.



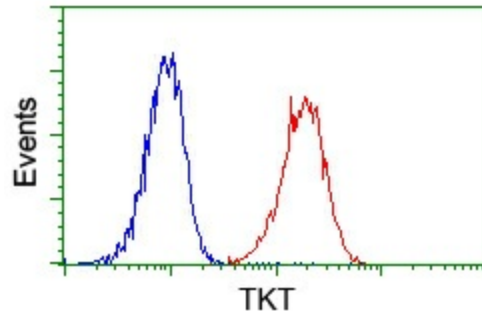
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-TKT monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human) (1:200).



Anti-TKT mouse monoclonal antibody ([TA500892]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TKT ([RC203497]).



Flow cytometric analysis of HeLa cells, using anti-TKT antibody ([TA500892]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-TKT antibody ([TA500892]), (Red) compared to a nonspecific negative control antibody (TA50011) (Blue).