



Rabbit Anti-Human TKT Polyclonal Antibody (CABT-L2211)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Transketolase (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against TKT. It has been selected for its ability to recognize TKT in immunohistochemical staining and western blotting.
Target	TKT
Immunogen	Recombinant fragment corresponding to human TKT (Met1~Pro294)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction 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]

Keywords TK;Wernicke-Korsakoff Syndrome

GENE INFORMATION

Gene Name	TKT transketolase [Homo sapiens (human)]
Official Symbol	TKT
Synonyms	TKT; transketolase; TK; TKT1; HEL107; epididymis luminal protein 107;
Entrez Gene ID	7086
Protein Refseq	NP_001055
UniProt ID	P29401
Chromosome Location	3p14.3
Pathway	Biosynthesis of amino acids; Carbon metabolism; Disease; Glycogen storage diseases; Insulin effects increased synthesis of Xylulose-5-Phosphate; Integration of energy metabolism; Metabolic pathways; Metabolism;
Function	cofactor binding; metal ion binding; protein homodimerization activity; transketolase activity;