



Anti-TPK1 (aa 157-243) polyclonal antibody (DPAB-DC1339)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Immunogen	TPK1 (NP_071890, 157 a.a. ~ 243 a.a) partial recombinant protein with GST tag. The sequence is QEESLIYLLQPGKHLVDTGMEGDWCGLIPVGQPCMVTTLGLKWNLTNDVLAGTLVS TSNTYDGSGVVTVETDHPLLWTMAIKS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TPK1 thiamin pyrophosphokinase 1 [Homo sapiens (human)]
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Official Symbol	TPK1
Synonyms	TPK1; thiamin pyrophosphokinase 1; PP20; HTPK1; THMD5; thiamine kinase; placental protein 20; thiamine diphosphokinase;
Entrez Gene ID	27010
Protein Refseq	NP_001035947
UniProt ID	F5GZG6
Chromosome Location	7q34-q35
Pathway	Defective AMN causes hereditary megaloblastic anemia 1; Defective CD320 causes methylmalonic aciduria; Defective GIF causes intrinsic factor deficiency; Defective LMBRD1 causes methylmalonic aciduria and homocystinuria type cblF
Function	ATP binding; kinase activity; thiamine diphosphokinase activity;
