

Product datasheet for **AP54344PU-N**

TPK1 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1000. Western blot: 1/100-1/500. Immunohistochemistry on Paraffin Sections: 1/50-1/100.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of Human TPK1
Specificity:	This antibody detects Human and Mouse Thiamine pyrophosphokinase 1 (TPK1) (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	thiamin pyrophosphokinase 1
Database Link:	Entrez Gene 29807 Mouse Entrez Gene 27010 Human Q9H3S4
Background:	TPK1 is a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate.
Synonyms:	hTPK1; PP20
Note:	Molecular Weight: 27265 Da



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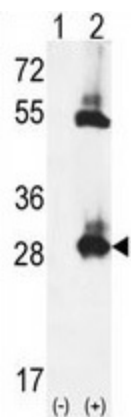
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Thiamine metabolism

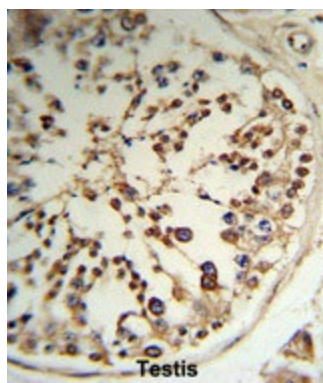
Product images:



Western blot analysis of TPK1 Antibody (N-term) in mouse spleen tissue lysates (35 ug/lane). TPK1 (arrow) was detected using the purified Pab.



Western blot analysis of TPK1 (arrow) using rabbit polyclonal TPK1 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TPK1 gene.



Formalin-fixed and paraffin-embedded human testis tissue reacted with TPK1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.