

Datasheet for ABIN955185  
**anti-TPK1 antibody (N-Term)**

## 3 Images

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## Overview

Quantity:	0.4 mL
Target:	TPK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the N-terminal region of Human TPK1
Isotype:	Ig Fraction
Specificity:	This antibody detects Human and Mouse Thiamine pyrophosphokinase 1 (TPK1) (N-term).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	TPK1
Alternative Name:	Thiamine Pyrophosphokinase 1 (TPK1) ( <a href="#">TPK1 Products</a> )
Background:	TPK1 is a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate. Synonyms: PP20, Placental protein 20

## Target Details

Molecular Weight:	27265 Da
Gene ID:	27010
NCBI Accession:	<a href="#">NP_071890</a>

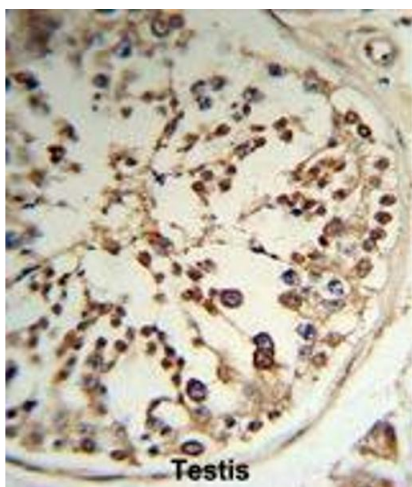
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** 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.



#### Western Blotting

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

#### Western Blotting

**Image 3.** Western blot analysis of TPK1 Antibody (N-term) in mouse spleen tissue lysates (35 µg/lane). TPK1 (arrow) was detected using the purified Pab.