

Datasheet for ABIN653087
anti-TPK1 antibody (N-Term)

3 Images

1 Publication

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Overview

Quantity:	400 µL
Target:	TPK1
Binding Specificity:	AA 34-61, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This TPK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 34-61 amino acids from the N-terminal region of human TPK1.
Clone:	RB23174
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	TPK1
Alternative Name:	TPK1 (TPK1 Products)
Background:	TPK1 is a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to

Target Details

	thiamine pyrophosphate.
Molecular Weight:	27265
Gene ID:	27010
NCBI Accession:	NP_071890
UniProt:	Q9H3S4

Application Details

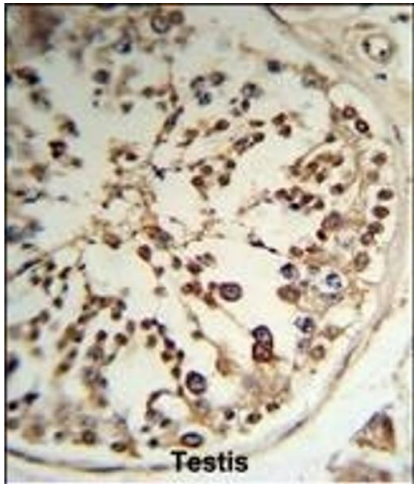
Application Notes:	WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

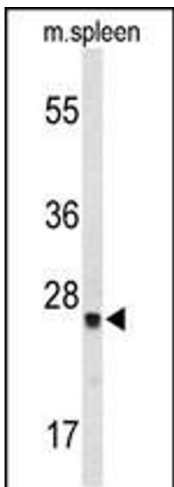
Publications

Product cited in:	Gispert, Parganlija, Klinkenberg, Dröse, Wittig, Mittelbronn, Grzmil, Koob, Hamann, Walter, Büchel, Adler, Hrabé de Angelis, Busch, Zell, Reichert, Brandt, Osiewacz, Jendrach, Auburger: " Loss of mitochondrial peptidase Clpp leads to infertility, hearing loss plus growth retardation via accumulation of CLPX, mtDNA and inflammatory factors." in: Human molecular genetics , Vol. 22, Issue 24, pp. 4871-87, (2013) (PubMed).
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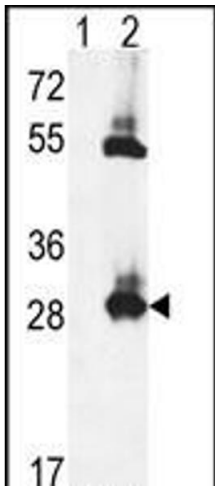
Immunohistochemistry (Paraffin-embedded Sections)

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 Antibody (N-term) (ABIN653087 and ABIN2842683) in mouse spleen tissue lysates (35 µg/lane). TPK1 (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of TPK1 (arrow) using rabbit polyclonal TPK1 Antibody (N-term) (ABIN653087 and ABIN2842683). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TPK1 gene.