

Datasheet for ABIN7171975
anti-TPK1 antibody (AA 1-243)

5 Images

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Overview

Quantity:	100 µL
Target:	TPK1
Binding Specificity:	AA 1-243
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Recombinant Human Thiamin pyrophosphokinase 1 protein (1-243AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antigen Affinity Purified

Target Details

Target:	TPK1
Alternative Name:	TPK1 (TPK1 Products)
Background:	Background: Catalyzes the phosphorylation of thiamine to thiamine pyrophosphate. Can also

Target Details

catalyze the phosphorylation of pyrithiamine to pyrithiamine pyrophosphate.

Aliases: hTPK1 antibody, Placental protein 20 antibody, PP20 antibody, Thiamin pyrophosphokinase 1 antibody, Thiamine diphosphokinase antibody, Thiamine kinase antibody, Thiamine pyrophosphokinase 1 antibody, THMD5 antibody, TPK1 antibody, TPK1_HUMAN antibody

UniProt: [Q9H3S4](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200, IF:1:50-1:200, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

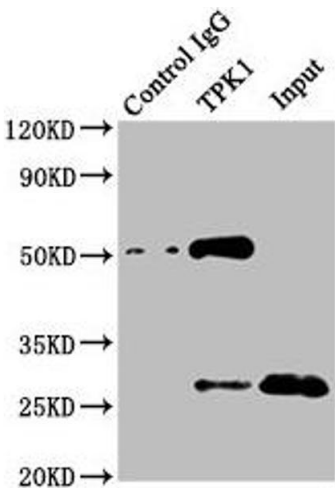
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

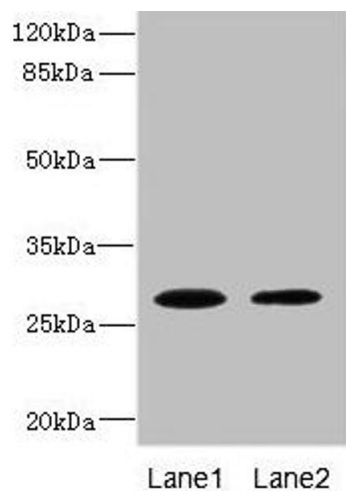
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



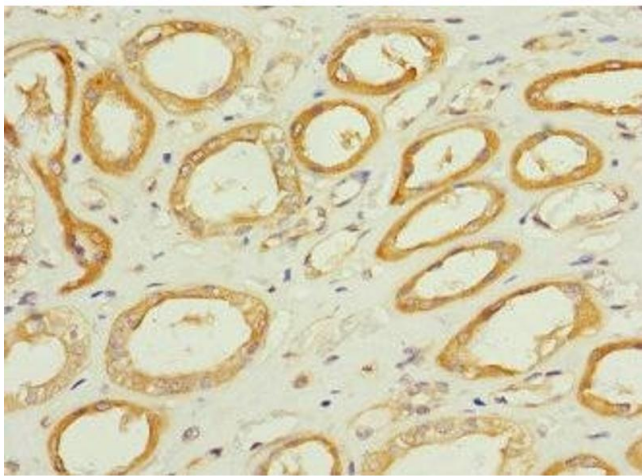
Western Blotting

Image 1. Immunoprecipitating TPK1 in Mouse kidney tissue
Lane 1: Rabbit control IgG instead of ABIN7171975 in Mouse kidney tissue. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000) Lane 2: ABIN7171975 (8 µg) + Mouse kidney tissue (500 µg) Lane 3: Mouse kidney tissue (10 µg)



Western Blotting

Image 2. Western blot All lanes: TPK1 antibody at 0.78 μ g/mL Lane 1: Mouse liver tissue Lane 2: Mouse kidney tissue Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 28, 14 kDa Observed band size: 28 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7171975 at dilution of 1:100

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7171975.