

Datasheet for ABIN2774107
anti-TPK1 antibody (N-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	TPK1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Pig, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TPK1
Sequence:	WNKALLRACA DGGANRLYDI TEGERESFLP EFINGDFDSI RPEVREYYAT
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 93%, Horse: 93%, Human: 100%, Mouse: 86%, Pig: 100%, Rabbit: 93%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against TPK1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	TPK1
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Target Details

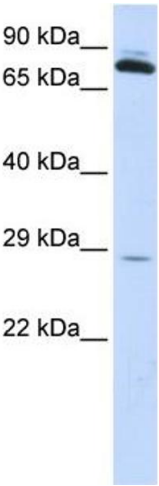
Alternative Name:	TPK1 (TPK1 Products)
Background:	TPK1 is a protein that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate. This gene encodes a protein, that exists as a homodimer, which catalyzes the conversion of thiamine to thiamine pyrophosphate. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. Alias Symbols: HTPK1, PP20, THMD5 Protein Size: 243
Molecular Weight:	27 kDa
Gene ID:	27010
NCBI Accession:	NM_022445 , NP_071890
UniProt:	Q9H3S4

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 243 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-TPK1 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human Placenta