

Datasheet for ABIN7434485
anti-TPK1 antibody (AA 34-300)

3 Images



[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	TPK1
Binding Specificity:	AA 34-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPK1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Tau-Protein Kinase 1 (tPK1)
Immunogen:	Recombinant Tau-Protein Kinase 1 (tPK1) corresponding to Trp34~Arg300 with N-terminal His and GST Tag
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against tPK1. It has been selected for its ability to recognize tPK1 in immunohistochemical staining and western blotting.
Cross-Reactivity:	Mouse, Rat
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

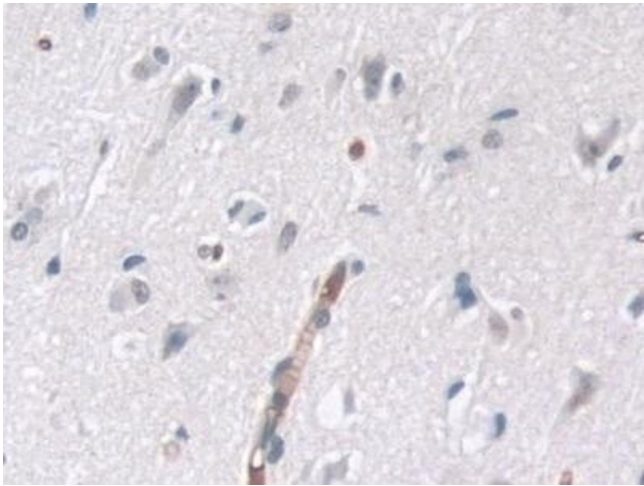
Target:	TPK1
Alternative Name:	tPK1 (TPK1 Products)
Background:	TTBK1, BDTK, TTK, Cdk5/P20, CDK5/P23, GSK, STK31, Brain-derived tau kinase, Tau-Tubulin Kinase 1, Tau-Protein O-Hosphotransferase, Brain Protein Kinase PK40erk
UniProt:	Q5TCY1

Application Details

Application Notes:	Western blotting: 0.5-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

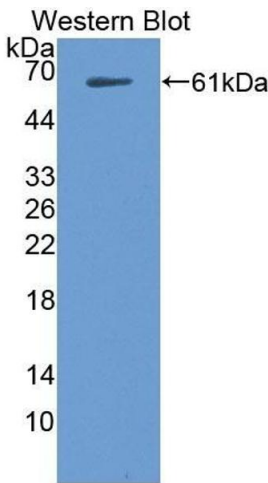
Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
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:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



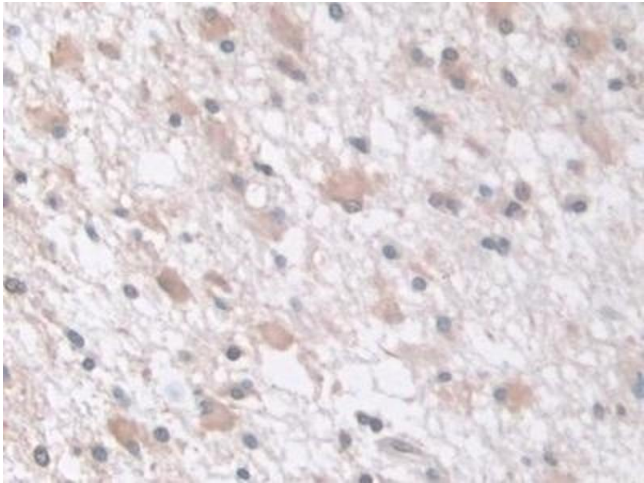
Immunohistochemistry

Image 1. Detection of tPK1 in Human Cerebrum Tissue using Polyclonal Antibody to Tau-Protein Kinase 1 (tPK1)



Western Blotting

Image 2. Detection of Recombinant tPK1, Human using Polyclonal Antibody to Tau-Protein Kinase 1 (tPK1)



Immunohistochemistry

Image 3. Detection of tPK1 in Human Glioma Tissue using Polyclonal Antibody to Tau-Protein Kinase 1 (tPK1)