## antibodies - online.com





## anti-PANK1 antibody (AbBy Fluor® 350)



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Quantity:	100 μL		
Target:	PANK1		
Reactivity:	Human, Mouse, Rat		
Host:	Rabbit		
Clonality:	Polyclonal		
Conjugate:	This PANK1 antibody is conjugated to AbBy Fluor® 350		
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))		
Product Details			
lmmunogen:	KLH conjugated synthetic peptide derived from human PANK1		
Isotype:	IgG		
Cross-Reactivity:	Human, Mouse, Rat		
Purification:	Purified by Protein A.		
Target Details			
Target:	PANK1		
Alternative Name:	PANK1 (PANK1 Products)		
Background:	Synonyms: coaA, hPanK, hPanK1, PANK, PANK1, PANK1_HUMAN, PANK1a, PANK1b,		
	PanK1beta, Pantothenate kinase 1, Pantothenate kinase, Pantothenic acid kinase 1.		
	Background: The pantothenate kinase (PANK) family of proteins catalyzes the first step in		

coenzyme A (CoA). Pantothenate kinase 1 (PANK1) is a 598 amino acid member of the

pantothenate kinase family that plays a role in the physiological regulation of the intracellular CoA concentration. Localized to the cytoplasm, PANK1 is strongly inhibited by acetyl-CoA and manyl-CoA, as well as by high concentration of non-esterified CoA (CoASH). Four known isoforms of PANK1 exist as a result of alternative splicing events. Of these isoforms, PANK1a and PANK1b have been identified as the catalytically active isoforms. Isoform PANK1a is most highly expressed in brain, heart, kidney, liver, skeletal muscle and kidney. Isoform PANK1b is detected at much lower levels in kidney, liver, brain and testis and is not detected in heart or skeletal muscle.

Gene ID: 53354

UniProt: Q8TE04

Pathways: Ribonucleoside Biosynthetic Process

## **Application Details**

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 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:	-20 °C	
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.	
Expiry Date:	12 months	