

Datasheet for ABIN391238
anti-PANK2 antibody (AA 180-210)[Go to Product page](#)

1 Image

Overview

Quantity:	400 µL
Target:	PANK2
Binding Specificity:	AA 180-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PANK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This PANK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 180-210 amino acids from the Central region of human PANK2.
Clone:	RB5487
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	PANK2
Alternative Name:	PANK2 (PANK2 Products)

Target Details

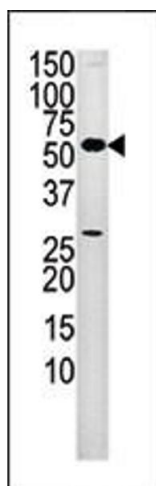
Background:	Pantothenate kinase is an essential regulatory enzyme in CoA biosynthesis, catalyzing the cytosolic phosphorylation of pantothenate (vitamin B5), N-pantothenoylcysteine, and pantetheine. CoA is the major acyl carrier, playing a central role in intermediary and fatty acid metabolism. In both yeast and fly, each with only 1 pantothenate kinase gene, the null mutant is inviable. Mutations in PANK2 are the cause of pantothenate kinase-associated neurodegeneration (PKAN), formerly known as Hallervorden-Spatz syndrome (HSS). PKAN is an autosomal recessive neurodegenerative disorder associated with iron accumulation in the brain. Mutations in PANK2 are the cause of hypoprebetalipoproteinemia, acanthocytosis, retinitis pigmentosa, and pallidal degeneration (HARP).
Molecular Weight:	62681
Gene ID:	80025
NCBI Accession:	NP_079236 , NP_705902 , NP_705904
UniProt:	Q9BZ23
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	WB: 1:1000
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



Western Blotting

Image 1. Western blot analysis of anti-NK2 b (ABIN391238 and ABIN2841306) in mouse liver tissue lysate (35 μ g/lane). NK2 (arrow) was detected using the purified b.