

Datasheet for ABIN2789627
anti-PANK2 antibody (C-Term)



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1 Image

Overview

Quantity:	100 µL
Target:	PANK2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Horse, Guinea Pig, Rabbit, Zebrafish (Danio rerio), Sheep, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PANK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	ERFGLPGWAV ASSFGNMMSK EKREAVSKED LARATLITIT NNIGSIARMC
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 93%, Rat: 100%, Sheep: 100%, Zebrafish: 86%
Characteristics:	This is a rabbit polyclonal antibody against PANK2. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	PANK2
Alternative Name:	PANK2 (PANK2 Products)
Background:	This gene encodes a protein belonging to the pantothenate kinase family and is the only

Target Details

member of that family to be expressed in mitochondria. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by acyl CoA species. Mutations in this gene are associated with HARP syndrome and pantothenate kinase-associated neurodegeneration (PKAN), formerly Hallervorden-Spatz syndrome. Alternative splicing, involving the use of alternate first exons, results in multiple transcripts encoding different isoforms.

Alias Symbols: C20orf48, FLJ17232, HARP, HSS, MGC15053, NBIA1, PKAN

Protein Interaction Partner: UBC, DHX36, QRIC2, LXN, YWHAQ, VDAC1, RASGRF2,

Protein Size: 570

Molecular Weight: 47 kDa

Gene ID: 80025

NCBI Accession: [NM_153638](#), [NP_705902](#)

UniProt: [Q9BZ23](#)

Pathways: [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 570 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.

Handling

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.

Images

90 kDa__

65 kDa__

40 kDa__

29 kDa__

22 kDa__



Rabbit Anti-PANK2 Antibody

Catalog Number: ARP63793

Lot Number: QC34661

Lane: 293T Cell Lysate

Antibody Titration: 1.0µg/ml

Gel Concentration: 12%

Western Blotting

Image 1.