

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

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

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, QRICH2, 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

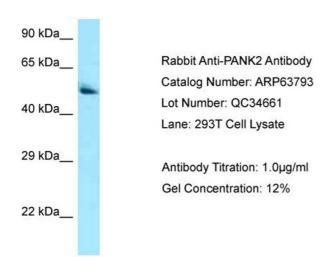
Handling

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



Western Blotting

Image 1.