

Product datasheet for **TA343077**

PANK2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PANK2 antibody is: synthetic peptide directed towards the middle region of HUMAN PANK2. Synthetic peptide located within the following region: FGLPGWAVASSFGNMMMSKEKREAVSKEDLARATLITITNNGSIARMCAL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	pantothenate kinase 2
Database Link:	NP_705902 Entrez Gene 80025 Human Q9BZ23



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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.

Synonyms:

C20orf48; HARP; HSS; NBIA1; PKAN

Note:

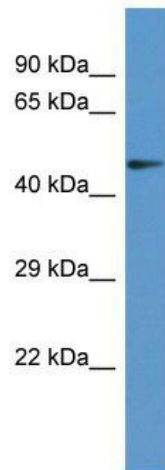
Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%; Dog: 93%; Mouse: 93%; Sheep: 92%

Protein Families:

Druggable Genome

Protein Pathways:

Metabolic pathways, Pantothenate and CoA biosynthesis

Product images:

Host: Rabbit; Target Name: PANK2; Sample Tissue: COLO205 Whole Cell lysates; Antibody Dilution: 1.0 ug/ml PANK2 is supported by BioGPS gene expression data to be expressed in COLO205