

## ARG44281 anti-PanK4 (Thr63) antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes PanK4 phospho (Thr63)
Tested Reactivity	Ms
Predict Reactivity	Hm, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PANK4
Species	Mouse
Immunogen	Synthetic phospho-peptide
Conjugation	Un-conjugated
Alternate Names	PANK4; Pantothenate Kinase 4 (Inactive); Inactive Pantothenic Acid Kinase 4; 4'-Phosphopantetheine Phosphatase; FLJ10782; Pantothenic Acid Kinase 4; Pantothenate Kinase 4; EC 2.7.1.33; EC 3.1.3.-; CTRCT49; HPanK4

### Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

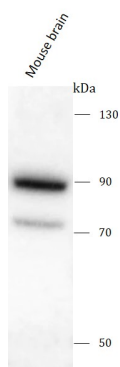
### Properties

Form	Liquid
Purification	Antigen Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 50% Glycerol and 100 µg/ml BSA.
Stabilizer	50% Glycerol and 100 µg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	PANK4
Gene Full Name	Pantothenate Kinase 4
Background	This gene encodes a protein belonging to the pantothenate kinase family. 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 CoA. This family member is most abundant in muscle but is expressed in all tissues.
Function	Phosphatase which shows a preference for 4'-phosphopantetheine and its oxidatively damaged forms (sulfonate or S-sulfonate), providing strong indirect evidence that the phosphatase activity pre-empt's damage in the coenzyme A (CoA) pathway.
Calculated Mw	86 kDa
PTM	Acetylation, Nitration, Phosphoprotein
Cellular Localization	Cytoplasm

## Images



ARG44281 anti-PanK4 (Thr63) antibody WB image

Western blot: Mouse brain stained with ARG44281 anti-PanK4 (Thr63) antibody.