

**PANK4 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58970**

**Specification**

**PANK4 Polyclonal Antibody - Product Information**

Application	<b>IHC-P</b>
Primary Accession	<a href="#">Q9NVE7</a>
Reactivity	<b>Rat</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>85991</b>

**PANK4 Polyclonal Antibody - Additional Information**

**Gene ID** 55229

**Other Names**

4'-phosphopantetheine phosphatase, 3.1.3.-, Inactive pantothenic acid kinase 4, hPanK4, PANK4

**Format**

0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

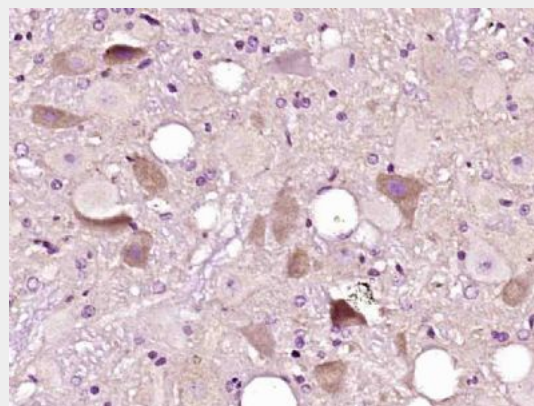
Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PANK4 Polyclonal Antibody - Protein Information**

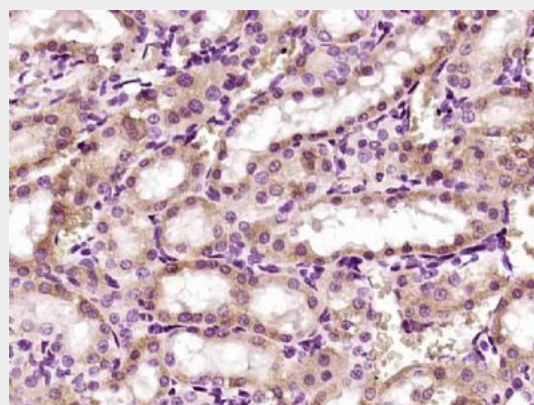
**Name** PANK4

**Function**

May play a role in the physiological regulation of coenzyme A (CoA) intracellular levels (Probable). The phosphatase activity shows preference for normal or oxidatively damaged intermediates of 4'-phosphopantetheine, which provides strong indirect evidence that the phosphatase activity pre-empts damage in the CoA pathway (PubMed:<a href="http://www.uniprot.org/citations/27322068"



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PANK4) Polyclonal Antibody, Unconjugated (bs-8340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PANK4)

target="\_blank">27322068</a>).  
Hydrolyzing excess 4'-phosphopantetheine could constitute a directed overflow mechanism to prevent its oxidation to the S-sulfonate, sulfonate, or other forms (PubMed:<a href="http://www.uniprot.org/citations/27322068" target="\_blank">27322068</a>).  
Hydrolyzing 4'-phosphopantetheine sulfonate or S-sulfonate would forestall their conversion to inactive forms of CoA and acyl carrier protein (PubMed:<a href="http://www.uniprot.org/citations/27322068" target="\_blank">27322068</a>).

Polyclonal Antibody, Unconjugated (bs-8340R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

#### **Cellular Location**

Cytoplasm  
{ECO:0000250|UniProtKB:Q923S8}.

#### **Tissue Location**

Ubiquitously expressed with higher expression in the muscle.

### **PANK4 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)