10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PANK3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP7161a

Specification

PANK3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession Q9H999

PANK3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 79646

Other Names
Pantothenate kinase 3, hPanK3, Pantothenic acid kinase 3, PANK3

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7161a was selected from the N-term region of human PANK3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PANK3 Antibody (N-term) Blocking Peptide - Protein Information

Name PANK3

Function
Catalyzes the phosphorylation of pantothenate to generate 4'- phosphopantothenate in the first and rate-determining step of coenzyme A (CoA) synthesis.

Cellular Location
Cytoplasm {ECO:0000269|PubMed:23152917, ECO:0000305}

Tissue Location
Highly expressed in the liver.

PANK3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

PANK3 Antibody (N-term) Blocking Peptide - Images

PANK3 Antibody (N-term) Blocking Peptide - Background

PANK3 belongs 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 expressed most abundantly in the liver.

PANK3 Antibody (N-term) Blocking Peptide - References

Zhou, B., et al., Nat. Genet. 28(4):345-349 (2001).Robishaw, J.D., et al., Am. J. Physiol. 248 (1 PT 1), E1-E9 (1985) (): ().