

# **GALK1 Antibody (N-term) Blocking Peptide**

Synthetic peptide Catalog # BP7081a

## **Specification**

# GALK1 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession

P51570

# GALK1 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID 2584** 

#### **Other Names**

Galactokinase, Galactose kinase, GALK1, GALK

## Target/Specificity

The synthetic peptide sequence used to generate the antibody <a href=/product/products/AP7081a>AP7081a</a> was selected from the N-term region of human GALK1. 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.

# GALK1 Antibody (N-term) Blocking Peptide - Protein Information

Name GALK1 (HGNC:4118)

**Synonyms GALK** 

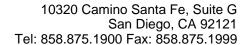
### **Function**

Catalyzes the transfer of a phosphate from ATP to alpha-D- galactose and participates in the first committed step in the catabolism of galactose.

## GALK1 Antibody (N-term) Blocking Peptide - Protocols

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

• Blocking Peptides





GALK1 Antibody (N-term) Blocking Peptide - Images
GALK1 Antibody (N-term) Blocking Peptide - Background

Galactokinase is a major enzyme for the metabolism of galactose and its deficiency causes congenital cataracts in the adult population. GALK1 sequence shares the greatest level of conservation, 44.5% identity with that from E. coli and 34.6% amino acid identity with the product of the human GALK2 gene.