

GALK1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP7081a**Specification**

GALK1 Antibody (N-term) Blocking Peptide - Product InformationPrimary 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 [AP7081a](/product/products/AP7081a) 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.