

Neurogenin3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP2024a**Specification**

Neurogenin3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9Y4Z2](#)**Neurogenin3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 50674**Other Names**

Neurogenin-3, NGN-3, Class A basic helix-loop-helix protein 7, bHLHa7, Protein atonal homolog 5, NEUROG3, ATOH5, BHLHA7, NGN3

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2024a](/product/products/AP2024a) was selected from the N-term region of human Neurogenin3 . 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.

Neurogenin3 Antibody (N-term) Blocking Peptide - Protein Information**Name** NEUROG3**Synonyms** ATOH5, BHLHA7, NGN3**Function**

Acts as a transcriptional regulator. Together with NKX2-2, initiates transcriptional activation of NEUROD1. Involved in neurogenesis. Also required for the specification of a common precursor of the 4 pancreatic endocrine cell types (By similarity).

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}.

Neurogenin3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Neurogenin3 Antibody (N-term) Blocking Peptide - Images

Neurogenin3 Antibody (N-term) Blocking Peptide - Background

Neurogenin-3 belongs to a family of basic helix-loop-helix transcription factors involved in the determination of neural precursor cells in the neuroectoderm. Neurogenin-3 also required for the specification of a common precursor of the 4 pancreatic endocrine cell types. Defects in NEUROG3 are the cause of congenital malabsorptive diarrhea 4 (DIAR4). DIAR4 is an autosomal recessive disorder characterized by generalized malabsorption and a paucity of enteroendocrine cells.

Neurogenin3 Antibody (N-term) Blocking Peptide - References

Heremans, Y., et al., J. Cell Biol. 159(2):303-312 (2002). Sommer, L., et al., Mol. Cell. Neurosci. 8(4):221-241 (1996).