

NKX6-1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14437b**Specification**

NKX6-1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P78426](#)**NKX6-1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 4825**Other Names**

Homeobox protein Nkx-61, Homeobox protein NK-6 homolog A, NKX6-1, NKX6A

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.

NKX6-1 Antibody (C-term) Blocking Peptide - Protein Information**Name** NKX6-1**Synonyms** NKX6A**Function**

Transcription factor which binds to specific A/T-rich DNA sequences in the promoter regions of a number of genes. Involved in the development of insulin-producing beta cells in the islets of Langerhans at the secondary transition (By similarity). Together with NKX2-2 and IRX3 acts to restrict the generation of motor neurons to the appropriate region of the neural tube. Belongs to the class II proteins of neuronal progenitor factors, which are induced by SHH signals (By similarity).

Cellular Location

Nucleus.

Tissue Location

Pancreatic beta cells.

NKX6-1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NKX6-1 Antibody (C-term) Blocking Peptide - Images

NKX6-1 Antibody (C-term) Blocking Peptide - Background

In the pancreas, NKX6.1 is required for the development of beta cells and is a potent bifunctional transcription regulator that binds to AT-rich sequences within the promoter region of target genes (Lyon et al. (2004) [PubMed 15056733]). [supplied by OMIM].

NKX6-1 Antibody (C-term) Blocking Peptide - References

Donelan, W., et al. J. Biol. Chem. 285(16):12181-12189(2010) Zhu, S., et al. Dig. Dis. Sci. 54(5):996-1002(2009) Schisler, J.C., et al. Mol. Cell. Biol. 28(10):3465-3476(2008) Yokoi, N., et al. Diabetes 55(8):2379-2386(2006) Hori, Y., et al. PLoS Med. 2 (4), E103 (2005) :