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NKX6-1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP16589b

Specification

NKX6-1 Antibody (C-term) Blocking Peptide - Product Information

Primary 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 ofbeta cells and is a potent bifunctional transcription regulatorthat binds to AT-rich sequences within the promoter region oftarget genes lype et al. (2004) [PubMed 15056733].[supplied byOMIM].

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) :