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NKX6-1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14437b

Specification

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

Application	**WB,E**
Primary Accession	P78426
Other Accession	O35762, Q99MA9, NP_006159.2
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**37849**
Antigen Region	**6-1**

NKX6-1 Antibody (C-term) - Additional Information

Gene ID 4825

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

Target/Specificity
This NKX6-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 284-312 amino acids from the C-terminal region of human NKX6-1.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
NKX6-1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NKX6-1 Antibody (C-term) - 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.

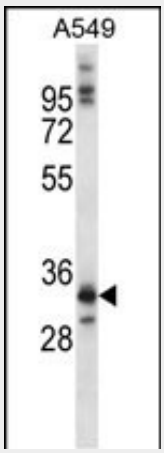
Tissue Location
Pancreatic beta cells.

NKX6-1 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NKX6-1 Antibody (C-term) - Images



NKX6-1 Antibody (C-term) (Cat. #AP14437b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the NKX6-1 antibody detected the NKX6-1 protein (arrow).

NKX6-1 Antibody (C-term) - 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 Iype et al. (2004) [PubMed 15056733].[supplied by OMIM].

NKX6-1 Antibody (C-term) - 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) :