

NKX2.2 Antibody
Purified Mouse Monoclonal Antibody
Catalog # AO1717a

Specification

NKX2.2 Antibody - Product Information

Application	E, WB, FC
Primary Accession	O95096
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	30.1kDa KDa

Description

The protein encoded by this gene contains a homeobox domain and may be involved in the morphogenesis of the central nervous system. This gene is found on chromosome 20 near NKX2-4, and these two genes appear to be duplicated on chromosome 14 in the form of TITF1 and NKX2-8. The encoded protein is likely to be a nuclear transcription factor.

Immunogen

Purified recombinant fragment of human NKX2.2 expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

NKX2.2 Antibody - Additional Information

Gene ID 4821

Other Names

Homeobox protein Nkx-2.2, Homeobox protein NK-2 homolog B, NKX2-2, NKX2.2, NKX2B

Dilution

E~~1/10000
WB~~1/500 - 1/2000
FC~~1/200 - 1/400

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NKX2.2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

NKX2.2 Antibody - Protein Information

Name NKX2-2

Synonyms NKX2.2, NKX2B

Function

Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (By similarity). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to elements within the NEUROD1 promoter (By similarity).

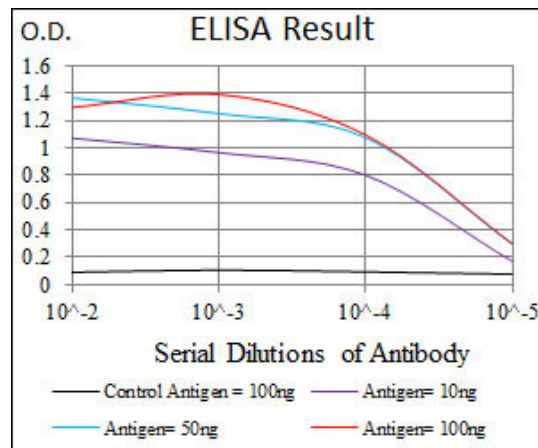
Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

NKX2.2 Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



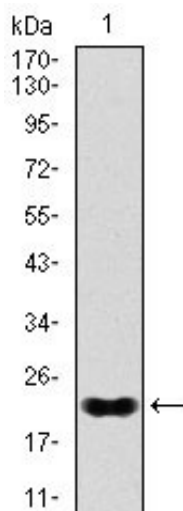


Figure 1: Western blot analysis using NKX2.2 mAb against human NKX2.2 recombinant protein.(Expected MW is 22 kDa)

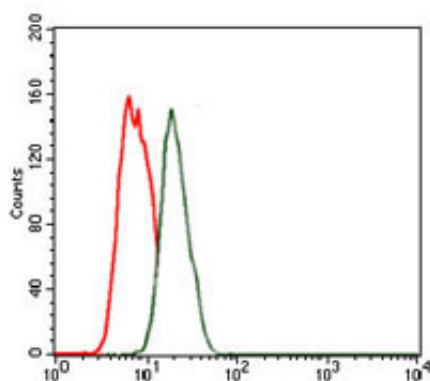


Figure 2: Flow cytometric analysis of MCF-7 cells using NKX2.2 mouse mAb (green) and negative control (red).

NKX2.2 Antibody - References

1. J Surg Res. 2010 Sep;163(1):47-51
2. Endocr Relat Cancer. 2009 Mar;16(1):267-79.