

# NKX2.2 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1717a

## Product Information

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<b>Application</b>	WB, FC, E
<b>Primary Accession</b>	<a href="#">O95096</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	3E4
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	30133
<b>Description</b>	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.
<b>Immunogen</b>	Purified recombinant fragment of human NKX2.2 expressed in E. Coli.
<b>Formulation</b>	Purified antibody in PBS with 0.05% sodium azide

## Additional Information

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<b>Gene ID</b>	4821
<b>Other Names</b>	Homeobox protein Nkx-2.2, Homeobox protein NK-2 homolog B, NKX2-2, NKX2.2, NKX2B
<b>Dilution</b>	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
<b>Storage</b>	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.
<b>Precautions</b>	NKX2.2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	NKX2-2
<b>Synonyms</b>	NKX2.2, NKX2B

<b>Function</b>	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).
<b>Cellular Location</b>	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00108}.

## References

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

## Images

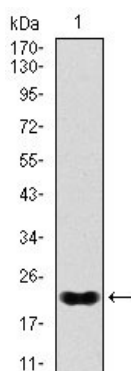


Figure 1: Western blot analysis using NKX2.2 mAb against human NKX2.2 recombinant protein.(Expected MW is 22 kDa)

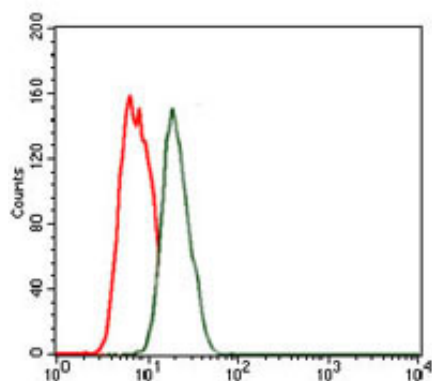


Figure 2: Flow cytometric analysis of MCF-7 cells using NKX2.2 mouse mAb (green) and negative control (red).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.