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NKX2.2 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1717a

Product Information

Application	WB, FC, E
Primary Accession	O95096
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	3E4
Isotype	IgG1
Calculated MW	30133
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

Additional Information

Gene ID	4821
Other Names	Homeobox protein Nkx-2.2, Homeobox protein NK-2 homolog B, NKX2-2, NKX2.2, NKX2B
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 E~~1/10000
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.

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}.

References

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

Images

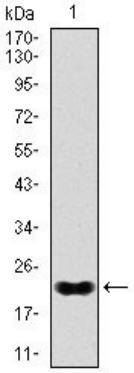


Figure 1: Western blot analysis using NKX2.2 mAb against human NKX2.2 recombinant protein.(Expected MW is 22 kDa)

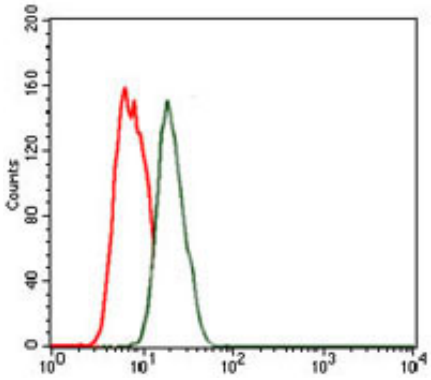


Figure 2: Flow cytometric analysis of MCF-7 cells using NKX2.2 mouse mAb (green) and negative control (red).

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