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NKX2.2 (1C3) Mouse mAb

Catalog # AP53511

Product Information

Application	WB, FC
Primary Accession	O95096
Reactivity	Human
Host	Mouse
Clonality	Monoclonal Antibody
Isotype	IgG1
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human NKX2.2 expressed in E. Coli.
Purification	Affinity Purified
Calculated MW	30133

Additional Information

Gene ID	4821
Other Names	NKX2B;NKX2-2
Dilution	WB~~1:1000 FC~~1:10~50
Format	Liquid in Purified antibody in PBS with 0.05% sodium azide.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

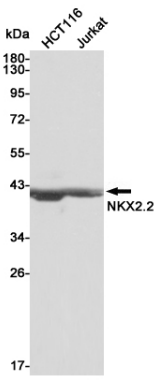
Name	NKX2-2
Synonyms	NKX2.2, NKX2B
Function	Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (By similarity). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to elements within the NEUROD1 promoter (By similarity).
Cellular Location	Nucleus {ECO:0000255|PROSITE-ProRule:PRU00108}.

Background

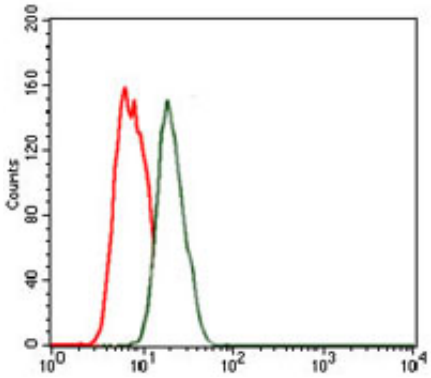
Swiss-Prot Acc.O95096.The protein encoded by this gene contains a homeobox domain and may be involved

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.

Images



Western blot analysis of extracts from HCT116 and MCF7 cell lysates using NKX2.2 mouse mAb (1:1000 diluted).Predicted band size:30KDa.Observed band size:38KDa.



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'.