Mouse anti-Human NKX2.2 Monoclonal Antibody | anti-NKX2.2 antibody

NKX2.2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312086	**Mouse**	**Human**	**Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

NKX2.2; Monoclonal Antibody; NKX2.2 Antibody; Homeobox protein NK 2 homolog B antibody; Homeobox protein NK-2 homolog B antibody; Homeobox protein Nkx 2.2 antibody; Homeobox protein Nkx-2.2 antibody; NK 2 homolog B antibody; NK2 homeobox 2 antibody; NK2 transcription factor like protein B antibody; NK2 transcription factor related locus 2 antibody; NKX2 2 antibody; NKX2-2 antibody; NKX22 antibody; NKX22_HUMAN antibody; Nkx2b antibody; tinman antibody; anti-NKX2.2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	H12-E4
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Sequence Length	273
Applicable Applications for anti-NKX2.2 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES

FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MCF-7 cells with NKX2.2 antibody at 1/100 dilution (green) compared with an unlabelled control (cells without incubation with primary antibody; red).

WB (Western Blot)
Western blot analysis of NKX2.2 on human NKX2.2 recombinant protein using anti-NKX2.2 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-NKX2.2 antibody	Members of the NK-2 family of homeodomain proteins are key regulators of growth and development in several tissues, including brain, heart and pancreas. During neural development, sonic hedgehog (Shh) is known to control cell fate and mitogenesis, which is correlated with Shh dose-dependent expression of several genes, including Nkx-2.1, Nkx-2.2 and Nkx-2.9. Specifically, the Nkx-2.2 protein is responsible for directing ventral neuronal patterning in response to graded Shh signaling. In the pancreas, Nkx-2.2 is expressed in a, b and pancreatic polypeptide (PP) cells, but not in d cells. Nkx-2.2 expression is required for differentiation of pancreatic b cells, which produce insulin. Homozygous null mutations of the Nkx-2.2 gene in mice lead to severe hyperglycemia and death shortly after birth, which suggests that Nkx-2.2 may be an important therapeutic target for pancreatic diseases, including diabetes and cancer.
Product Categories/Family for anti-NKX2.2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	587465
Molecular Weight	30kDa
NCBI Official Full Name	NKx2.2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/nkx22-antibody-clone-h12-e4-flow-cytometry-western-blot-elisa/312086