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NKX1-2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11745a

Product Information

Application	WB, FC, E
Primary Accession	Q9UD57
Other Accession	XP_002347203.1, XP_002343058.1, XP_002344570.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29686
Calculated MW	32381
Antigen Region	1-2

Additional Information

Gene ID	390010
Other Names	NK1 transcription factor-related protein 2, Homeobox protein SAX-1, NKX-11, NKX1-2, C10orf121, NKX11
Target/Specificity	This NKX1-2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 46-74 amino acids from the N-terminal region of human NKX1-2.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	NKX1-2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

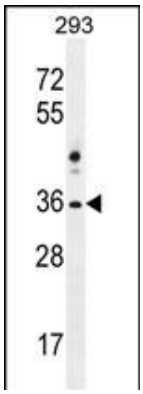
Name	NKX1-2
Synonyms	C10orf121, NKX1.1
Function	Transcriptional repressor. May play a role in early development as a

	Wnt/beta-catenin effector, hence controlling pluripotency and preimplantation development of embryonic stem cells. May promote adipogenesis in mesenchymal stem cells, possibly by inhibiting the expression of the antiadipogenic factor NR2F2. May inhibit osteoblastogenic differentiation.
Cellular Location	Nucleus {ECO:0000250|UniProtKB:P42580}. Nucleus, nucleolus {ECO:0000250|UniProtKB:P42580}. Note=Specifically localizes to the nucleoli of oocytes and preimplantation embryos {ECO:0000250|UniProtKB:P42580}

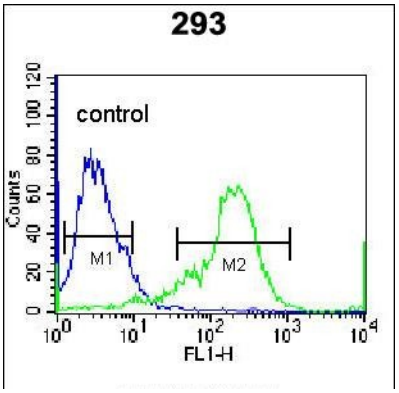
Background

NKX1-2 may function in cell specification, particularly in the CNS (By similarity).

Images



NKX1-2 Antibody (N-term) (Cat. #AP11745a) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the NKX1-2 antibody detected the NKX1-2 protein (arrow).



NKX1-2 Antibody (N-term) (Cat. #AP11745a) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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