

HB9 Polyclonal antibody

Catalog Number: 20975-1-AP

Basic Information

Catalog Number: 20975-1-AP	GenBank Accession Number: NM_005515	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3110	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: motor neuron and pancreas homeobox 1	
Isotype: IgG	Calculated MW: 41 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse spleen tissue, mouse liver tissue
Species Specificity: human, mouse	

Background Information

Motor neuron and pancreas homeobox (MNX1) is a homologous box transcription factor that promotes motor neuron differentiation and pancreatic development. MNX1 knockout in mice indicated that only the early expression of MNX1 is associated with the formation of pancreatic buds, and MNX1 is expressed in late β cells and associated with β cell maturation. MNX1 has the ability to induce endocrine progenitor cells to differentiate into β cells and inhibit their ability to differentiate into α cells, thereby maintaining the balance between α and β cells. In addition, the association between MNX1 gene mutations and Currarino syndrome has also been demonstrated. The Currarino syndrome phenotype caused by a MNX1 mutations was demonstrated to be a result of haploinsufficiency. A recent study also indicated that MNX1 may be an oncogene in prostate cancer (PMID: 30066929).

Storage

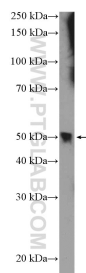
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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Selected Validation Data



mouse spleen tissue were subjected to SDS PAGE followed by western blot with 20975-1-AP (HB9 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.