

For Research Use Only

HB9 Polyclonal antibody

Catalog Number: 20975-1-AP



Basic Information

Catalog Number:

20975-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_005515

GeneID (NCBI):

3110

UNIPROT ID:

P50219

Full Name:

motor neuron and pancreas
homeobox 1

Calculated MW:

41 kDa

Observed MW:

45-50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: mouse spleen tissue, mouse liver tissue

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

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

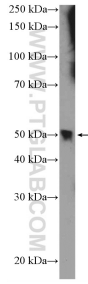
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.