运动神经元及胰腺同源蛋白 1 抗体

产品货号： mlR1320

英文名称： MNX1/HLXB9

中文名称： 运动神经元及胰腺同源蛋白 1 抗体

别　　名： HB9/HLXB9; HB 9; HB9; HLXB 9; HLXB9; Homeo box HB9; Homeobox HB9; Homeobox protein HB9; HOXHB9; MNX1; MNX1_HUMAN; Motor neuron and pancreas homeobox protein 1; Sacral agenesis autosomal dominant (Currarino triad); SCRA 1; SCRA1; SCRA1; HOXHB9.

研究领域： 肿瘤　细胞生物　发育生物学　神经生物学　细胞类型标志物　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Rabbit,

产品应用　：　WB=1:500-2000　ELISA=1:500-1000　IHC-P=1:400-800　IHC-F=1:400-800　Flow-Cyt=1ug/test ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 41kDa

细胞定位： 细胞核

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human HLXB9:231-330/401

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ˚C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20˚C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ˚C.

PubMed： PubMed

产品介绍 ： The HB9 homeobox transcription factor regulates gene expression during embryonic development and also in specific adult tissues. HB9 gene mutations are implicated in Curriano syndrome, which is characterized by a triad consisting of a presacral tumor, sacral agenesis and anorectal malformation. In human bone marrow cells, HB9 expression directly correlates with CD34 expression. Furthermore, HB9 expression increases in CD34+ cells that are treated with IL-3 and granulocyte macrophage-colony-stimulating factor. Early in murine development, HB9 is expressed in pancreatic buds (dorsal and ventral) with subsequent expression in differentiating beta cells in the islets of Langerhans. The dorsal lobe of the pancreas fails to form in HB9(-) mice; the resultant pancreas has smaller islets of Langerhans and less beta cells than normal pancreas. The HB9 gene is expressed in the human adult pancreas. In the developing vertebrate embryo, the HB9 gene plays an essential role in motor neuron differentiation. The motor columns of HB9(-) mice are disorganized, lacking phrenic and abducens nerves and exhibiting intercostal nerve defects.

Function:

Putative transcription factor involved in pancreas development and function.

Subcellular Location:

Nucleus.

Tissue Specificity:

Expressed in lymphoid and pancreatic tissues.

DISEASE:

Defects in MNX1 are a cause of Currarino syndrome (CURRAS) [MIM:176450]. The triad of a presacral tumor, sacral agenesis and anorectal malformation constitutes the Currarino syndrome which is caused by dorsal-ventral patterning defects during embryonic development. The syndrome occurs in the majority of patients as an autosomal dominant trait.

Similarity:

Contains 1 homeobox DNA-binding domain.

SWISS:

P50219

Gene ID:

3110

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

产品图片