

## 垂体同源盒蛋白 1 抗体

产品货号： mlR4483

英文名称： PITX-1

中文名称： 垂体同源盒蛋白 1 抗体

别名： BFT; CCF; Hindlimb expressed homeobox protein backfoot; Hindlimb-expressed homeobox protein backfoot; Homeobox protein PITX1; LBNBG; Paired like homeodomain 1; Paired like homeodomain transcription factor 1; Paired-like homeodomain transcription factor 1; Pituitary homeo box 1; Pituitary homeobox 1; Pituitary otx related factor; Pitx1; PITX1\_HUMAN; POTX; PTX1.

研究领域： 发育生物学 信号转导 转录调节因子 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Pig, Cow, Horse, Guinea Pig,



产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 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： 37kDa

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 PITX-1:231-314/314

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 :** This gene encodes a member of the RIEG/PITX homeobox family, which is in the bicoid class of homeodomain proteins. Members of this family are involved in organ development and left-right asymmetry. This protein acts as a transcriptional regulator involved in basal and hormone-regulated activity of prolactin. [provided by RefSeq, Jul 2008]

**Function:**

May play a role in the development of anterior structures, and in particular, the brain and facies and in specifying the identity or structure of hindlimb.

**Subcellular Location:**

Nucleus.

**DISEASE:**

Defects in PITX1 are a cause of congenital clubfoot (CCF) [MIM:119800]; also known as talipes equinovarus (TEV). Clubfoot is a congenital limb deformity defined as fixation of the foot in cavus, adductus, varus, and equinus (i.e. inclined inwards, axially rotated outwards, and pointing downwards) with concomitant soft tissue abnormalities. Clubfoot may occur in isolation or as part of a syndrome. Clubfoot appears to be a multifactorial trait.

**Similarity:**

Belongs to the paired homeobox family. Bicoid subfamily.

Contains 1 homeobox DNA-binding domain.

**SWISS:**

P78337

**Gene ID:**

5307

**Important Note:**

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